

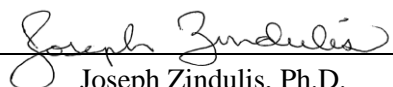
**CERTIFICATE OF ANALYSIS**
**PRODUCT DESCRIPTION:** Weber Scientific Phosphate Butterfield Buffer
**CATALOG No.** 3127-14    **VOLUME (ml)** 99    **LOT No.** 18234C    **EXP. DATE:** 8/2020

<b>TEST</b>	<b>RESULTS</b>	<b>SPECIFICATION</b>	<b>METHOD</b>
pH @ 25° C	7.2	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 64 Count at 45 minutes: 52 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

\*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

<p>Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677</p>
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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
 \_\_\_\_\_  
 October 3, 2018

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

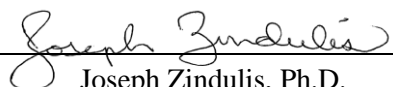
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 18235C EXP. DATE: 8/2020

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.1	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 64 Count at 45 minutes: 60 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

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 Joseph Zindulis, Ph.D.  
 Production Manager  
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 October 3, 2018

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

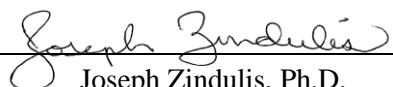
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 18236C EXP. DATE: 8/2020

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.0	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 72 Count at 45 minutes: 58 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
 \_\_\_\_\_  
 October 3, 2018

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

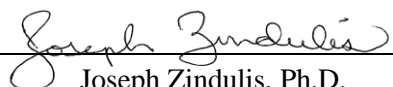
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 18239C EXP. DATE: 8/2020

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.2	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 68 Count at 45 minutes: 64 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  
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 October 25, 2018

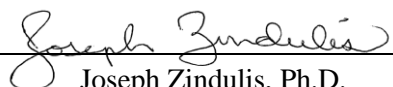
**CERTIFICATE OF ANALYSIS**
**PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer**
**CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 18240C EXP. DATE: 8/2020**

<b>TEST</b>	<b>RESULTS</b>	<b>SPECIFICATION</b>	<b>METHOD</b>
pH @ 25° C	7.2	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 73 Count at 45 minutes: 70 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

\*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

<p>Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677</p>
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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
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 October 25, 2018

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

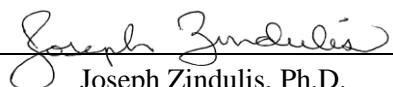
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 18248C EXP. DATE: 9/2020

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.0	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 74 Count at 45 minutes: 64 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
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 November 2, 2018

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

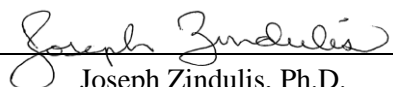
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 18249C EXP. DATE: 9/2020

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.1	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 57 Count at 45 minutes: 52 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  
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 November 2, 2018

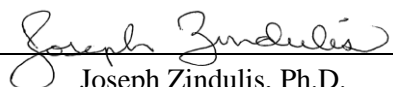
**CERTIFICATE OF ANALYSIS**
**PRODUCT DESCRIPTION:** Weber Scientific Phosphate Butterfield Buffer
**CATALOG No.** 3127-14    **VOLUME (ml)** 99    **LOT No.** 18250D    **EXP. DATE:** 9/2020

<b>TEST</b>	<b>RESULTS</b>	<b>SPECIFICATION</b>	<b>METHOD</b>
pH @ 25° C	7.1	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 73 Count at 45 minutes: 72 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

\*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

<p>Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677</p>
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 Joseph Zindulis, Ph.D.  
 Production Manager  
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 November 6, 2018



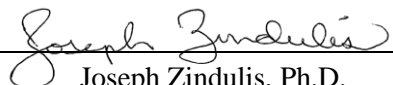
**CERTIFICATE OF ANALYSIS**
**PRODUCT DESCRIPTION:** Weber Scientific Phosphate Butterfield Buffer
**CATALOG No.** 3127-14    **VOLUME (ml)** 99    **LOT No.** 18253C    **EXP. DATE:** 9/2020

<b>TEST</b>	<b>RESULTS</b>	<b>SPECIFICATION</b>	<b>METHOD</b>
pH @ 25° C	7.1	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 66 Count at 45 minutes: 66 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

\*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

<p>Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677</p>
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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
 \_\_\_\_\_  
 November 6, 2018

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

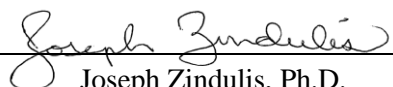
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 18254C EXP. DATE: 9/2020

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.0	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 68 Count at 45 minutes: 63 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
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 November 6, 2018

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

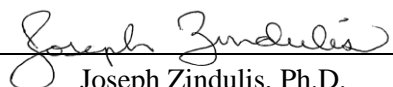
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 18255C EXP. DATE: 9/2020

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.0	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 75 Count at 45 minutes: 70 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

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 Joseph Zindulis, Ph.D.  
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 November 6, 2018

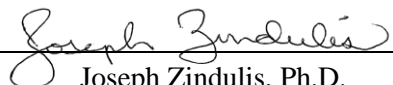
**CERTIFICATE OF ANALYSIS**
**PRODUCT DESCRIPTION:** Weber Scientific Phosphate Butterfield Buffer
**CATALOG No.** 3127-14    **VOLUME (ml)** 99    **LOT No.** 18256C    **EXP. DATE:** 9/2020

<b>TEST</b>	<b>RESULTS</b>	<b>SPECIFICATION</b>	<b>METHOD</b>
pH @ 25° C	7.2	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 70 Count at 45 minutes: 67 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

\*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

<p>Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677</p>
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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
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 November 8, 2018

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

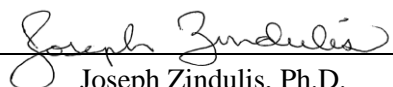
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 18260C EXP. DATE: 9/2020

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.2	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 57 Count at 45 minutes: 63 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
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 November 8, 2018

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

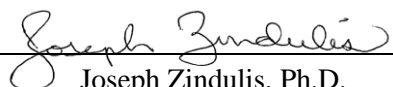
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 18262C EXP. DATE: 9/2020

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.2	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 57 Count at 45 minutes: 60 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

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 Production Manager  
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 November 15, 2018

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

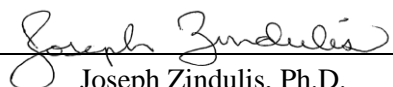
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 18263C EXP. DATE: 9/2020

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.0	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 62 Count at 45 minutes: 59 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
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 November 15, 2018

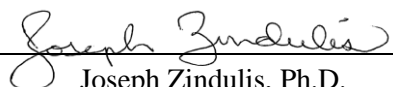
**CERTIFICATE OF ANALYSIS**
**PRODUCT DESCRIPTION:** Weber Scientific Phosphate Butterfield Buffer
**CATALOG No.** 3127-14    **VOLUME (ml)** 99    **LOT No.** 18267C    **EXP. DATE:** 9/2020

<b>TEST</b>	<b>RESULTS</b>	<b>SPECIFICATION</b>	<b>METHOD</b>
pH @ 25° C	7.2	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 57 Count at 45 minutes: 56 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

\*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

<p>Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677</p>
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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
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 November 15, 2018



**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

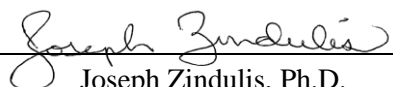
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 18269C EXP. DATE: 9/2020

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.2	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 66 Count at 45 minutes: 66 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  
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 November 19, 2018

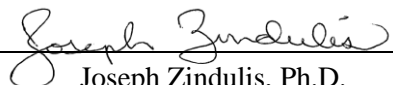
**CERTIFICATE OF ANALYSIS**
**PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer**
**CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 18270C EXP. DATE: 9/2020**

<b>TEST</b>	<b>RESULTS</b>	<b>SPECIFICATION</b>	<b>METHOD</b>
pH @ 25° C	7.1	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 63 Count at 45 minutes: 66 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

\*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

<p>Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677</p>
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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
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 November 19, 2018

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

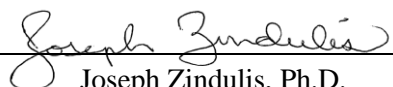
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 18274C EXP. DATE: 10/2020

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.1	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 68 Count at 45 minutes: 60 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
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 December 4, 2018

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

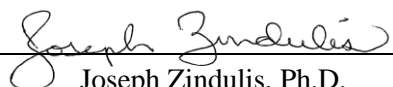
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 18277C EXP. DATE: 10/2020

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.2	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 58 Count at 45 minutes: 56 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

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 Joseph Zindulis, Ph.D.  
 Production Manager  
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 December 4, 2018

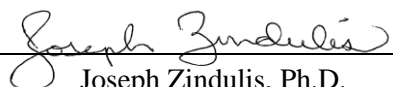
**CERTIFICATE OF ANALYSIS**
**PRODUCT DESCRIPTION:** Weber Scientific Phosphate Butterfield Buffer
**CATALOG No.** 3127-14    **VOLUME (ml)** 99    **LOT No.** 18281C    **EXP. DATE:** 10/2020

<b>TEST</b>	<b>RESULTS</b>	<b>SPECIFICATION</b>	<b>METHOD</b>
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 77 Count at 45 minutes: 62 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

\*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
 \_\_\_\_\_  
 December 5, 2018

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

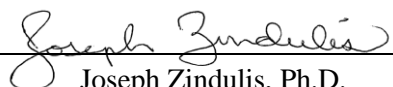
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 18283C EXP. DATE: 10/2020

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 63 Count at 45 minutes: 69 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 December 5, 2018

### CERTIFICATE OF ANALYSIS

PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

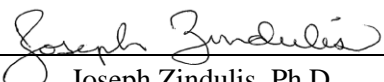
CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 18284C EXP. DATE: 10/2020

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 60 Count at 45 minutes: 67 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

\*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\* Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

<p>Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677</p>
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 Joseph Zindulis, Ph.D.  
 Production Manager  
 \_\_\_\_\_  
 December 7, 2018



WEBER SCIENTIFIC

CERTIFICATE OF ANALYSIS

PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

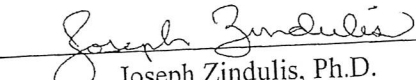
CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 18289C EXP. DATE: 10/2020

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.1	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 75 Count at 45 minutes: 65 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

\*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

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Production Manager  
December 7, 2018



## CERTIFICATE OF ANALYSIS

PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

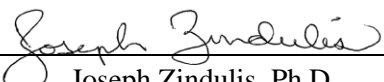
CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 18290C EXP. DATE: 10/2020

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 78 Count at 45 minutes: 71 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

\*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\* Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 December 11, 2018

### CERTIFICATE OF ANALYSIS

PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

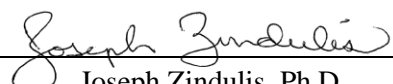
CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 18292C EXP. DATE: 10/2020

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 70 Count at 45 minutes: 71 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

\*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\* Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

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 December 11, 2018

### CERTIFICATE OF ANALYSIS

PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

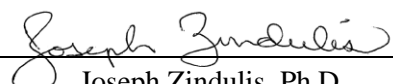
CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 18295C EXP. DATE: 10/2020

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 70 Count at 45 minutes: 69 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

\*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\* Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By:  
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 \_\_\_\_\_  
 December 11, 2018

### CERTIFICATE OF ANALYSIS

PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

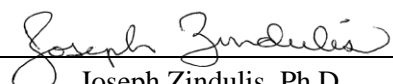
CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 18298C EXP. DATE: 10/2020

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 65 Count at 45 minutes: 54 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

\*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\* Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

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 December 13, 2018

### CERTIFICATE OF ANALYSIS

PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

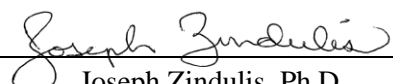
CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 18299C EXP. DATE: 10/2020

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.2	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 61 Count at 45 minutes: 64 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

\*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\* Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By:  
Weber Scientific  
2732 Kuser Road  
Hamilton, NJ 08691  
(609) 584-7677

  
 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
 \_\_\_\_\_  
 December 13, 2018

### CERTIFICATE OF ANALYSIS

PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

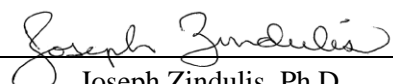
CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 18302C EXP. DATE: 10/2020

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.1	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 63 Count at 45 minutes: 61 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

\*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\* Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

<p>Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677</p>
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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
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 December 19, 2018

### CERTIFICATE OF ANALYSIS

PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

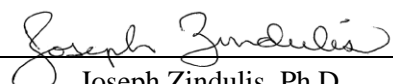
CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 18303C EXP. DATE: 10/2020

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 59 Count at 45 minutes: 66 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

\*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\* Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

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 December 19, 2018

### CERTIFICATE OF ANALYSIS

PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

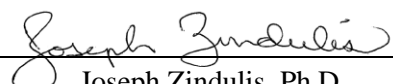
CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 18309C EXP. DATE: 11/2020

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 65 Count at 45 minutes: 63 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

\*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\* Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

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 \_\_\_\_\_  
 December 19, 2018



### CERTIFICATE OF ANALYSIS

PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

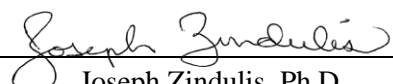
CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 18311C EXP. DATE: 11/2020

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 48 Count at 45 minutes: 55 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

\*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\* Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

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 December 19, 2018

## CERTIFICATE OF ANALYSIS

PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

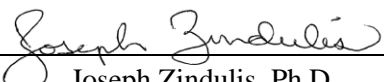
CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 18316C EXP. DATE: 11/2020

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 63 Count at 45 minutes: 60 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

\*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\* Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
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 January 4, 2019

### CERTIFICATE OF ANALYSIS

PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

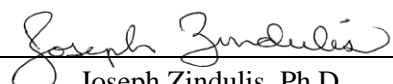
CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 18325C EXP. DATE: 11/2020

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.2	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 64 Count at 45 minutes: 65 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

\*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\* Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

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January 4, 2019

## CERTIFICATE OF ANALYSIS

PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

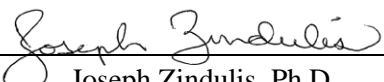
CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 18330C EXP. DATE: 11/2020

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 63 Count at 45 minutes: 74 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

\*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\* Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

<p>Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677</p>
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 Joseph Zindulis, Ph.D.  
 Production Manager  
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 January 4, 2019

### CERTIFICATE OF ANALYSIS

PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

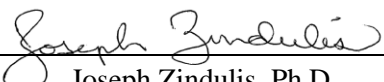
CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 18333C EXP. DATE: 11/2020

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 61 Count at 45 minutes: 60 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

\*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\* Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

<p>Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677</p>
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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
 \_\_\_\_\_  
 January 31, 2019

### CERTIFICATE OF ANALYSIS

PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

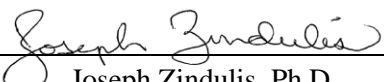
CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 18334C EXP. DATE: 11/2020

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 59 Count at 45 minutes: 65 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

\*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\* Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

<p>Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677</p>
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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
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 January 31, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

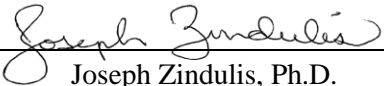
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 18337C EXP. DATE: 12/2020

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 61 Count at 45 minutes: 64 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
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 February 1, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

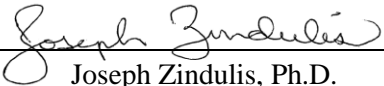
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 18338C EXP. DATE: 12/2020

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 59 Count at 45 minutes: 69 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 February 1, 2019



**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

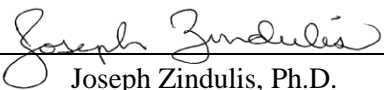
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 18340C EXP. DATE: 12/2020

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 61 Count at 45 minutes: 68 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 February 1, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

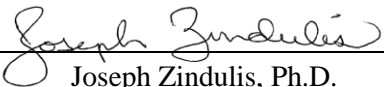
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 18341A EXP. DATE: 12/2020

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 64 Count at 45 minutes: 67 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

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 Joseph Zindulis, Ph.D.  
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 February 6, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

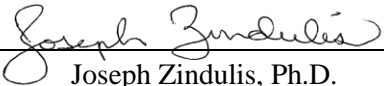
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 18344C EXP. DATE: 12/2020

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.2	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 75 Count at 45 minutes: 89 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 February 6, 2019

### CERTIFICATE OF ANALYSIS

PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

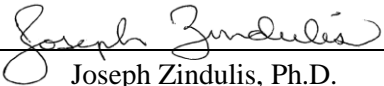
CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 18345C EXP. DATE: 12/2020

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 69 Count at 45 minutes: 77 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

\*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

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Weber Scientific  
2732 Kuser Road  
Hamilton, NJ 08691  
(609) 584-7677

  
Joseph Zindulis, Ph.D.  
Production Manager  
February 6, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

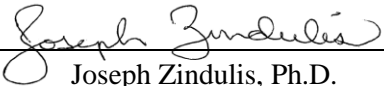
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 18347C EXP. DATE: 12/2020

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.0	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 55 Count at 45 minutes: 62 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

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 Joseph Zindulis, Ph.D.  
 Production Manager  
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 February 11, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

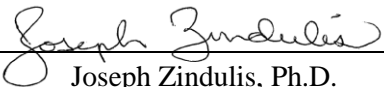
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 18348C EXP. DATE: 12/2020

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 68 Count at 45 minutes: 63 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

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 Production Manager  


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 February 11, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

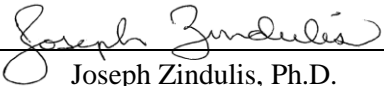
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TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.1	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 66 Count at 45 minutes: 69 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

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 Joseph Zindulis, Ph.D.  
 Production Manager  
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 February 22, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

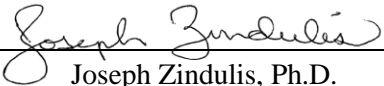
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 18352C EXP. DATE: 12/2020

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.0	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 56 Count at 45 minutes: 65 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

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 Joseph Zindulis, Ph.D.  
 Production Manager  
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 February 11, 2019



**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

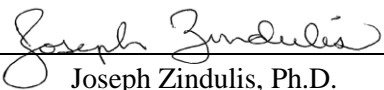
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TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.0	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 60 Count at 45 minutes: 62 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

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 Joseph Zindulis, Ph.D.  
 Production Manager  
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 February 15, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

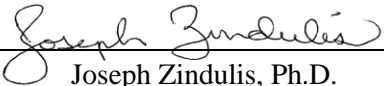
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 18355C EXP. DATE: 12/2020

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 60 Count at 45 minutes: 69 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  
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 February 15, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

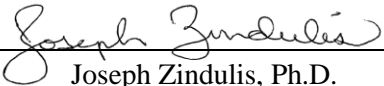
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TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.0	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 67 Count at 45 minutes: 61 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

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 Production Manager  


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 February 15, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

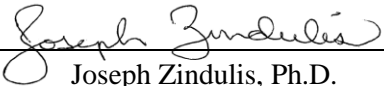
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 18360C EXP. DATE: 12/2020

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.1	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 72 Count at 45 minutes: 63 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

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 Production Manager  


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 February 22, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

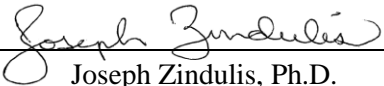
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 18362C EXP. DATE: 12/2020

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.0	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 72 Count at 45 minutes: 62 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 February 22, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

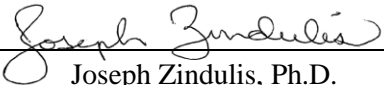
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TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.2	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 66 Count at 45 minutes: 68 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 February 22, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

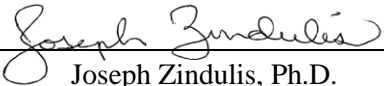
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TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.1	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 67 Count at 45 minutes: 60 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 February 28, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

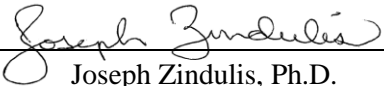
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19003C EXP. DATE: 01/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.1	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 69 Count at 45 minutes: 74 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 February 28, 2019



**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

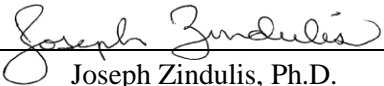
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19004C EXP. DATE: 01/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.0	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 61 Count at 45 minutes: 68 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 February 28, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

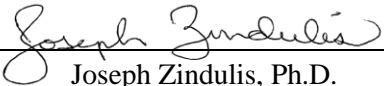
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19007A EXP. DATE: 01/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.0	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 65 Count at 45 minutes: 83 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 February 28, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

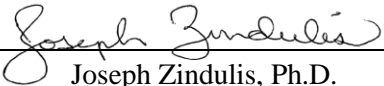
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19008C EXP. DATE: 01/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.1	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 61 Count at 45 minutes: 70 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
 \_\_\_\_\_  
 February 28, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

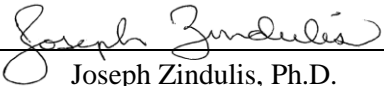
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TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.2	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 64 Count at 45 minutes: 66 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 February 28, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

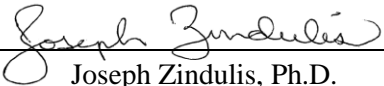
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TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.1	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 57 Count at 45 minutes: 66 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
 \_\_\_\_\_  
 February 28, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

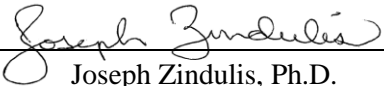
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TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.2	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 57 Count at 45 minutes: 63 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
 \_\_\_\_\_  
 February 28, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

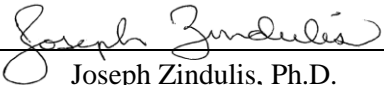
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19021C EXP. DATE: 01/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.0	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 60 Count at 45 minutes: 56 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
 \_\_\_\_\_  
 March 1, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

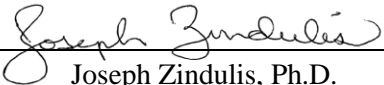
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19022C EXP. DATE: 01/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.1	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 71 Count at 45 minutes: 64 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
 \_\_\_\_\_  
 March 1, 2019



**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

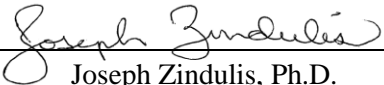
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TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.2	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 79 Count at 45 minutes: 66 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
 \_\_\_\_\_  
 March 1, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

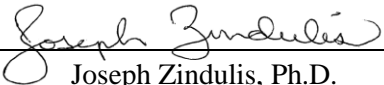
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19024C EXP. DATE: 01/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.2	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 60 Count at 45 minutes: 54 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 March 1, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

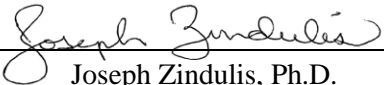
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TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 63 Count at 45 minutes: 73 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
 \_\_\_\_\_  
 March 14, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

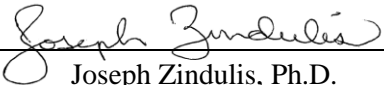
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19030C EXP. DATE: 01/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 57 Count at 45 minutes: 65 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
 \_\_\_\_\_  
 March 14, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

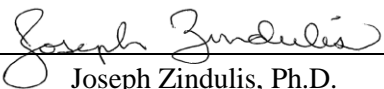
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TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 67 Count at 45 minutes: 63 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 March 14, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

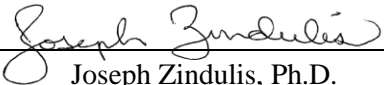
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19035C EXP. DATE: 01/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.1	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 73 Count at 45 minutes: 80 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
 \_\_\_\_\_  
 March 14, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

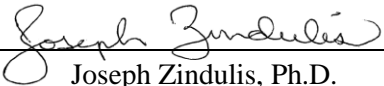
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19038C EXP. DATE: 02/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.1	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 63 Count at 45 minutes: 56 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
 \_\_\_\_\_  
 April 5, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

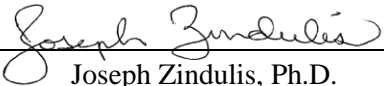
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19042C EXP. DATE: 02/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.1	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 68 Count at 45 minutes: 63 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  
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 April 5, 2019



**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

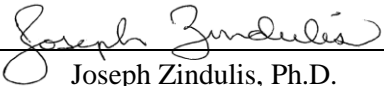
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19043D EXP. DATE: 02/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.1	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 65 Count at 45 minutes: 60 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
 \_\_\_\_\_  
 April 5, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

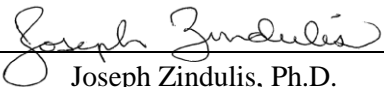
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19044C EXP. DATE: 02/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.0	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 49 Count at 45 minutes: 60 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
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 April 5, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

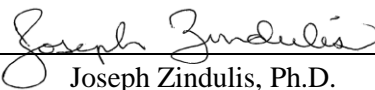
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19066C EXP. DATE: 03/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.2	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 55 Count at 45 minutes: 64 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 April 18, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

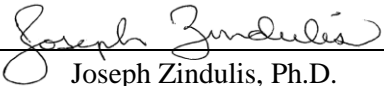
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19070C EXP. DATE: 03/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.2	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 55 Count at 45 minutes: 52 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 April 18, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

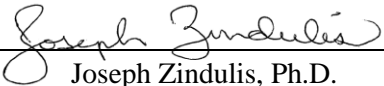
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19071C EXP. DATE: 03/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 60 Count at 45 minutes: 65 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 April 18, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

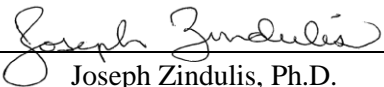
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19072C EXP. DATE: 03/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 57 Count at 45 minutes: 48 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 April 23, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

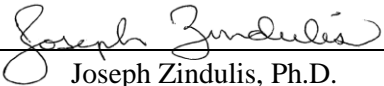
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19073C EXP. DATE: 03/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 59 Count at 45 minutes: 61 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  
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 April 23, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

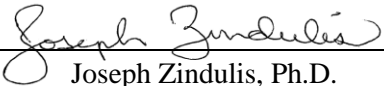
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19078C EXP. DATE: 03/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 63 Count at 45 minutes: 66 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 April 23, 2019



**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

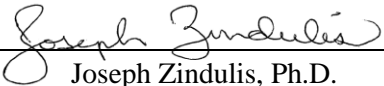
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19084C EXP. DATE: 03/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 56 Count at 45 minutes: 54 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 April 26, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

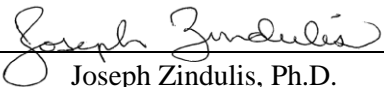
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19085C EXP. DATE: 03/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 52 Count at 45 minutes: 53 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 April 26, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

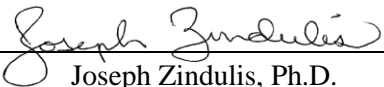
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19087C EXP. DATE: 03/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.2	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 51 Count at 45 minutes: 51 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 April 26, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

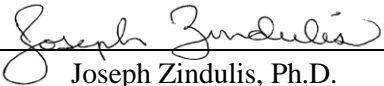
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19092C EXP. DATE: 04/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.2	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 60 Count at 45 minutes: 53 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 May 7, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

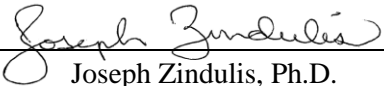
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19093C EXP. DATE: 04/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.2	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 53 Count at 45 minutes: 53 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Production Manager  


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 May 7, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

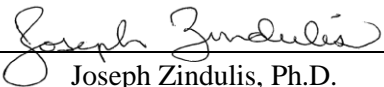
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TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 61 Count at 45 minutes: 58 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 May 9, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

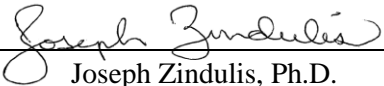
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19095C EXP. DATE: 04/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 49 Count at 45 minutes: 60 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
 \_\_\_\_\_  
 May 9, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

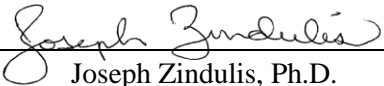
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19101C EXP. DATE: 04/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 54 Count at 45 minutes: 70 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 May 23, 2019



**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

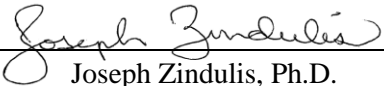
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19105C EXP. DATE: 04/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 64 Count at 45 minutes: 64 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
 \_\_\_\_\_  
 May 23, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

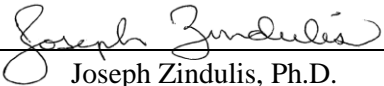
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19106C EXP. DATE: 04/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 60 Count at 45 minutes: 62 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 May 31, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

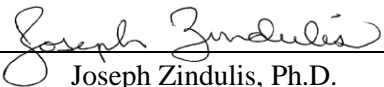
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19108C EXP. DATE: 04/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 59 Count at 45 minutes: 55 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
 \_\_\_\_\_  
 June 5, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

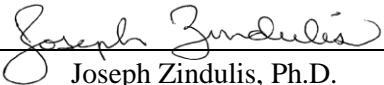
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19113C EXP. DATE: 04/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 69 Count at 45 minutes: 69 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
 \_\_\_\_\_  
 June 5, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

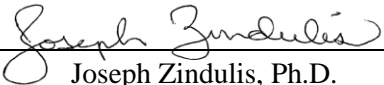
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19114C EXP. DATE: 04/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 65 Count at 45 minutes: 56 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
 \_\_\_\_\_  
 June 5, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

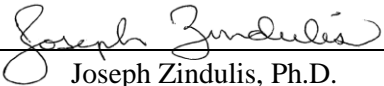
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19115C EXP. DATE: 04/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 59 Count at 45 minutes: 73 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
 \_\_\_\_\_  
 June 5, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

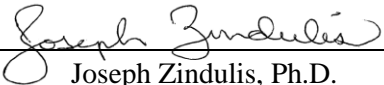
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19116D EXP. DATE: 04/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 63 Count at 45 minutes: 59 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 June 7, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

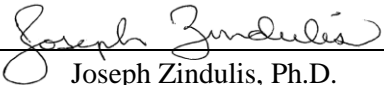
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19119C EXP. DATE: 04/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.2	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 54 Count at 45 minutes: 69 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
 \_\_\_\_\_  
 June 7, 2019



**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

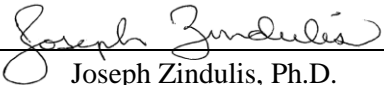
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19120C EXP. DATE: 04/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 48 Count at 45 minutes: 53 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
 \_\_\_\_\_  
 June 7, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

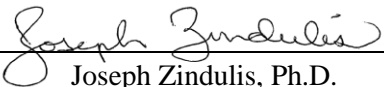
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19121C EXP. DATE: 05/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 53 Count at 45 minutes: 66 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 June 7, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

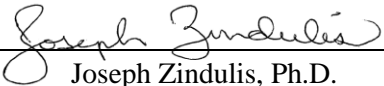
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19022C EXP. DATE: 05/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 55 Count at 45 minutes: 75 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
 \_\_\_\_\_  
 June 27, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

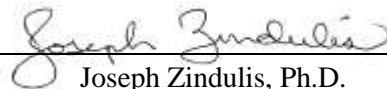
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19126C EXP. DATE: 05/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 62 Count at 45 minutes: 52 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager

July 10, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

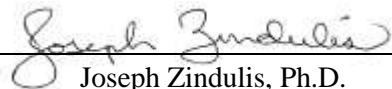
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19127C EXP. DATE: 05/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 63 Count at 45 minutes: 55 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

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 Joseph Zindulis, Ph.D.  
 Production Manager

June 27, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

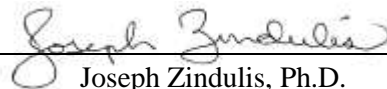
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19129C EXP. DATE: 05/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 62 Count at 45 minutes: 63 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

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 Joseph Zindulis, Ph.D.  
 Production Manager

June 27, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

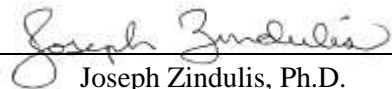
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19130C EXP. DATE: 05/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 78 Count at 45 minutes: 66 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager

June 27, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

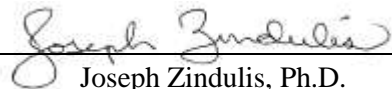
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19133C EXP. DATE: 05/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 61 Count at 45 minutes: 67 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

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June 27, 2019