

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

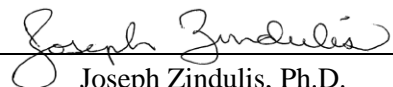
 CATALOG No. 3127-44 VOLUME (ml) 90 LOT No. 46343B EXP. DATE: 12/2018

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: 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  
 \_\_\_\_\_  
 January 18, 2017

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

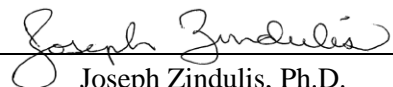
 CATALOG No. 3127-44 VOLUME (ml) 90 LOT No. 46351B EXP. DATE: 12/2018

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.0	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 79 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  


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 January 30, 2017

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

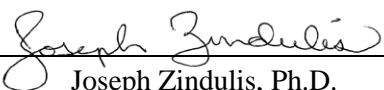
 CATALOG No. 3127-44 VOLUME (ml) 90 LOT No. 46364A EXP. DATE: 12/2018

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: 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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 February 8, 2017

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

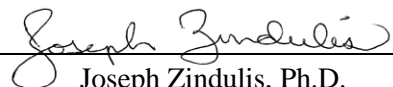
 CATALOG No. 3127-44 VOLUME (ml) 90 LOT No. 47006B EXP. DATE: 01/2019

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.2	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 85 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.

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 20, 2017

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

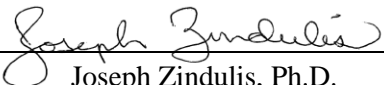
 CATALOG No. 3127-44 VOLUME (ml) 90 LOT No. 47012A EXP. DATE: 01/2019

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 73 Count at 45 minutes: 79 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, 2017

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

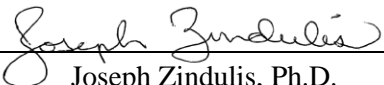
 CATALOG No. 3127-44 VOLUME (ml) 90 LOT No. 47024A EXP. DATE: 01/2019

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.2	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 81 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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 March 20, 2017

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

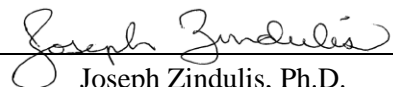
 CATALOG No. 3127-44 VOLUME (ml) 90 LOT No. 47024B EXP. DATE: 01/2019

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: 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 20, 2017

### CERTIFICATE OF ANALYSIS

PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

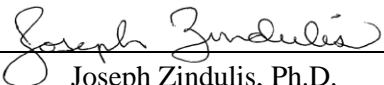
CATALOG No. 3127-44    VOLUME (ml) 90    LOT No. 47034B    EXP. DATE: 02/2019

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: 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.

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<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  
 \_\_\_\_\_  
 March 29, 2017



**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

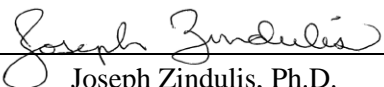
 CATALOG No. 3127-44 VOLUME (ml) 90 LOT No. 47037A EXP. DATE: 02/2019

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  
 \_\_\_\_\_  
 March 29, 2017

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

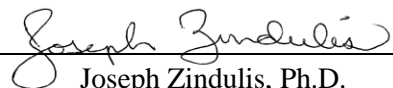
 CATALOG No. 3127-44 VOLUME (ml) 90 LOT No. 47045A EXP. DATE: 02/2019

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 74 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  
 \_\_\_\_\_  
 April 6, 2017

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

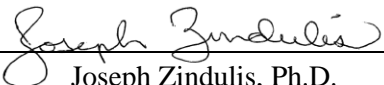
 CATALOG No. 3127-44 VOLUME (ml) 90 LOT No. 47054A EXP. DATE: 02/2019

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: 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.

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 19, 2017

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

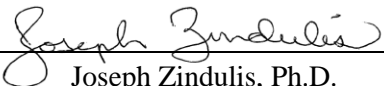
 CATALOG No. 3127-44 VOLUME (ml) 90 LOT No. 47054B EXP. DATE: 02/2019

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	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 19, 2017

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

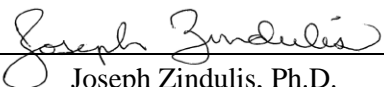
 CATALOG No. 3127-44 VOLUME (ml) 90 LOT No. 47059A EXP. DATE: 02/2019

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: 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 19, 2017

**CERTIFICATE OF ANALYSIS**

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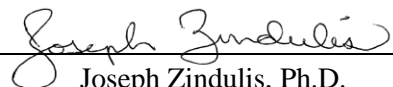
 CATALOG No. 3127-44 VOLUME (ml) 90 LOT No. 47059B EXP. DATE: 02/2019

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: 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.

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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 April 19, 2017

**CERTIFICATE OF ANALYSIS**

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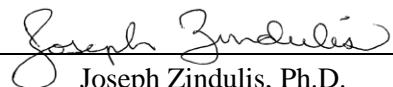
 CATALOG No. 3127-44 VOLUME (ml) 90 LOT No. 47066A EXP. DATE: 03/2019

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: 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.

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 19, 2017

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

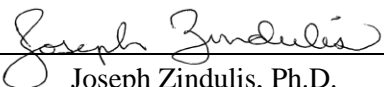
 CATALOG No. 3127-44 VOLUME (ml) 90 LOT No. 47066B EXP. DATE: 03/2019

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: 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 19, 2017



**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

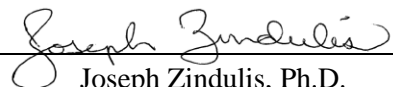
 CATALOG No. 3127-44 VOLUME (ml) 90 LOT No. 47074B EXP. DATE: 03/2019

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: 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  
 \_\_\_\_\_  
 April 19, 2017

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

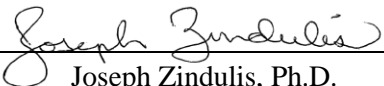
 CATALOG No. 3127-44 VOLUME (ml) 90 LOT No. 47093B EXP. DATE: 04/2019

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 98 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  
 \_\_\_\_\_  
 April 27, 2017

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

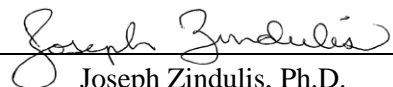
 CATALOG No. 3127-44 VOLUME (ml) 90 LOT No. 47103B EXP. DATE: 04/2019

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 94 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  
 \_\_\_\_\_  
 May 17, 2017

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

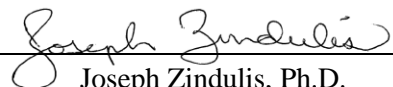
 CATALOG No. 3127-44 VOLUME (ml) 90 LOT No. 47104B EXP. DATE: 04/2019

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.2	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 73 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  
 \_\_\_\_\_  
 May 30, 2017

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

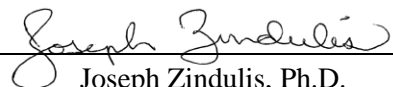
 CATALOG No. 3127-44 VOLUME (ml) 90 LOT No. 47110B EXP. DATE: 04/2019

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.2	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 73 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  
 \_\_\_\_\_  
 June 5, 2017

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

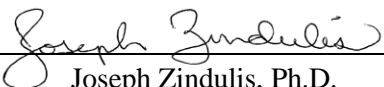
 CATALOG No. 3127-44 VOLUME (ml) 90 LOT No. 47117B EXP. DATE: 04/2019

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 86 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.

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, 2017

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

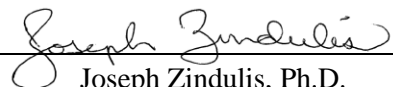
 CATALOG No. 3127-44 VOLUME (ml) 90 LOT No. 47118B EXP. DATE: 04/2019

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 79 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  
 \_\_\_\_\_  
 June 7, 2017

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

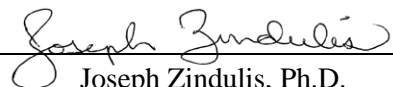
 CATALOG No. 3127-44 VOLUME (ml) 90 LOT No. 47124A EXP. DATE: 05/2019

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: 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.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
 \_\_\_\_\_  
 June 12, 2017



**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

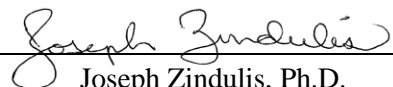
 CATALOG No. 3127-44 VOLUME (ml) 90 LOT No. 47124B EXP. DATE: 05/2019

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 76 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  
 \_\_\_\_\_  
 June 12, 2017

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

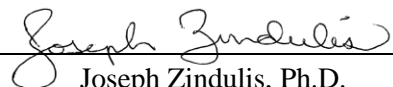
 CATALOG No. 3127-44 VOLUME (ml) 90 LOT No. 47131A EXP. DATE: 05/2019

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.2	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 48 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 21, 2017



CERTIFICATE OF ANALYSIS

PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

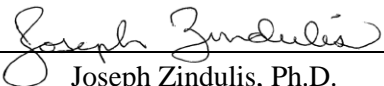
CATALOG No. 3127-44 VOLUME (ml) 90 LOT No. 47131B EXP. DATE: 05/2019

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: 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.

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

  
 Joseph Zindulis, Ph.D.  
 Production Manager  
 June 21, 2017

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

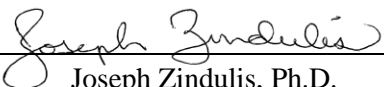
 CATALOG No. 3127-44 VOLUME (ml) 90 LOT No. 47132B EXP. DATE: 05/2019

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: 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.

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 21, 2017

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

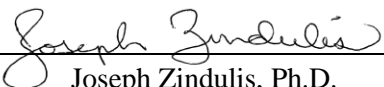
 CATALOG No. 3127-44 VOLUME (ml) 90 LOT No. 47138A EXP. DATE: 05/2019

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 75 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.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
 \_\_\_\_\_  
 June 30, 2017

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

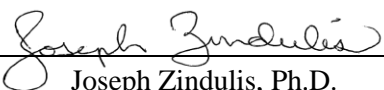
 CATALOG No. 3127-44 VOLUME (ml) 90 LOT No. 47145A EXP. DATE: 05/2019

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 74 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  
 \_\_\_\_\_  
 June 30, 2017

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

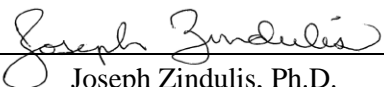
 CATALOG No. 3127-44 VOLUME (ml) 90 LOT No. 47153B EXP. DATE: 6/2019

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 77 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  
 \_\_\_\_\_  
 July 5, 2017

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

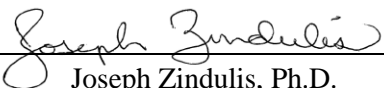
 CATALOG No. 3127-44 VOLUME (ml) 90 LOT No. 47156B EXP. DATE: 6/2019

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 77 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  
 \_\_\_\_\_  
 July 5, 2017



**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

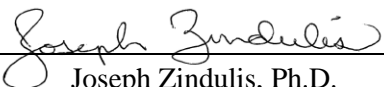
 CATALOG No. 3127-44 VOLUME (ml) 90 LOT No. 47177B EXP. DATE: 6/2019

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.2	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 97 Count at 45 minutes: 95 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  
 \_\_\_\_\_  
 August 1, 2017

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

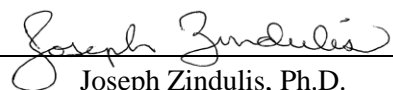
 CATALOG No. 3127-44 VOLUME (ml) 90 LOT No. 47195B EXP. DATE: 7/2019

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 73 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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 August 23, 2017

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

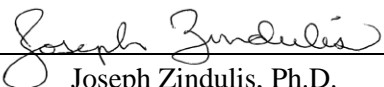
 CATALOG No. 3127-44 VOLUME (ml) 90 LOT No. 47214A EXP. DATE: 8/2019

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: 87 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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 September 29, 2017

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

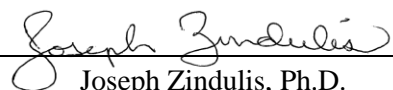
 CATALOG No. 3127-44 VOLUME (ml) 90 LOT No. 47214B EXP. DATE: 8/2019

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.2	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 77 Count at 45 minutes: 85 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  
 \_\_\_\_\_  
 September 29, 2017

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

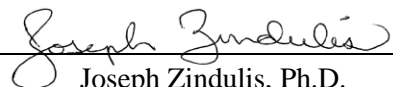
 CATALOG No. 3127-44 VOLUME (ml) 90 LOT No. 47229B EXP. DATE: 8/2019

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 68 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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 October 6, 2017

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

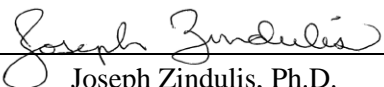
 CATALOG No. 3127-44 VOLUME (ml) 90 LOT No. 47242A EXP. DATE: 8/2019

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 60 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.

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 27, 2017

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

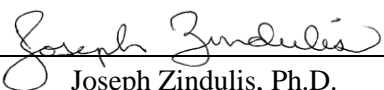
 CATALOG No. 3127-44 VOLUME (ml) 90 LOT No. 47242B EXP. DATE: 8/2019

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: 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.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
 \_\_\_\_\_  
 October 27, 2017

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

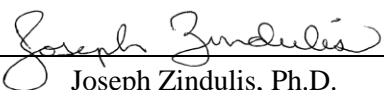
 CATALOG No. 3127-44 VOLUME (ml) 90 LOT No. 47258B EXP. DATE: 09/2019

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 79 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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 November 8, 2017



**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

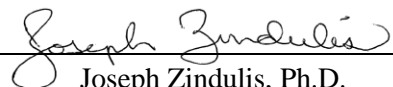
 CATALOG No. 3127-44    VOLUME (ml) 90    LOT No. 47272B    EXP. DATE: 09/2019

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.2	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 99 Count at 45 minutes: 79 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  
 \_\_\_\_\_  
 November 15, 2017

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

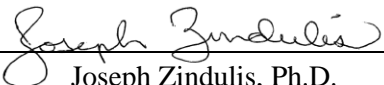
 CATALOG No. 3127-44 VOLUME (ml) 90 LOT No. 47310B EXP. DATE: 11/2019

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 80 Count at 45 minutes: 86 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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 December 19, 2017