

Буферные растворы

Технические характеристики

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ACETATE BUFFER SOLUTION PH 4.6

Product Code.	00013	Grade	
Purity		CAS No.	NA
Molecular Formula		Molecular Weight	0.00
H.S.Code	3822.00900	Shelf Life	24 Months

Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	pH value	4.7 - 4.9
Density [g/cm3]	1				

Packaging



Specification

Appearance	A clear colourless solution
pH	4.60 ± 0.05

Safety Information and Hazard Symbols

AMMONIA BUFFER SOLUTION FOR DETERMINATION OF WATER HARDNESS

For determination of water hardness

Product Code.	00172	Grade	
Purity		CAS No.	NA
Molecular Formula		Molecular Weight	0.00
H.S.Code	3822.00900	Shelf Life	36 Months

Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Ammonical odour
pH value	10 - 11	Solubility in water [% weight]	Miscible in water		

Packaging



Specification

Appearance	Clear colorless liquid with strong ammonical odor
pH (at 20 °C)	10.0 - 11.0

Safety Information and Hazard Symbols

Symbol: GHS05, GHS07 Signal Word: Danger Hazardous Statement: H314-H335-H400 Precaution Statement: P261-P273-P280-P305 + P351 + P338-P310

BUFFER CONCENTRATED FOR 500 ML SOLUTION PH 4.00
(2x2 amps. Of set in a Box)

Product Code.	00532	Grade	
Purity		CAS No.	NA
Molecular Formula		Molecular Weight	0.00
H.S.Code	3822.00900	Shelf Life	24 Months

Physical Properties

Physical state at 20 °C	Liquid	Colour	Colorless	pH value	4
Boiling point [°C]	100°C				

Packaging

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Specification

Appearance	Clear colorless solution
pH (after dilution of the concentrate with distilled water to 500 ml; 20°C)	4.0+/-0.02

Safety Information and Hazard Symbols


Symbol: GHS07 Signal Word: Warning Hazardous Statement: H319 Precaution Statement: P305 + P351 + P338

BUFFER CONCENTRATED FOR 500 ML SOLUTION PH 7.00
(2x2 amps. Of set in a Box)

Product Code.	00534	Grade	
Purity		CAS No.	NA
Molecular Formula		Molecular Weight	0.00
H.S.Code	3822.00900	Shelf Life	24 Months

Physical Properties

Physical state at 20 °C	Liquid	Colour	Colorless	pH value	7
Boiling point [°C]	100°C				

Packaging

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Specification

Appearance	Clear colorless solution
pH (after dilution of the concentrate with distilled water to 500 ml; 20°C)	7.0+/-0.02

Safety Information and Hazard Symbols

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BUFFER SOLUTION PH 2.0

Product Code.	00530	Grade	
Purity		CAS No.	NA
Molecular Formula		Molecular Weight	0.00
H.S.Code	3822.00900	Shelf Life	24 Months

Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Odorless
pH value	2	Density [g/cm3]	1.007	Solubility in water [% weight]	Soluble in water

Packaging



Specification

Appearance	Clear colorless liquid
pH (at 25 °C)	2.0+/-0.05

Safety Information and Hazard Symbols

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BUFFER SOLUTION PH 4.0 (PHTHALATE)

Product Code.	00531	Grade	
Purity		CAS No.	NA
Molecular Formula		Molecular Weight	0.00
H.S.Code	3822.00900	Shelf Life	24 Months

Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Odorless
pH value	4	Density [g/cm3]	1.007	Solubility in water [% weight]	Soluble in water

Packaging



Specification

Appearance	Clear colorless liquid
pH (at 25 °C)	4.0 ± 0.05

Safety Information and Hazard Symbols

Symbol: GHS07 Signal Word: Warning Hazardous Statement: H317 Precaution Statement: P280

BUFFER SOLUTION PH 7.0 (PHOSPHATE)

Product Code.	00533	Grade	
Purity		CAS No.	NA
Molecular Formula		Molecular Weight	0.00
H.S.Code	3822.00900	Shelf Life	24 Months

Physical Properties

Packaging



Specification

Appearance	Clear colorless liquid
pH	7.0 +/-0.05

Safety Information and Hazard Symbols

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BUFFER SOLUTION PH 9.0 (BORATE)

Product Code.	00535	Grade	
Purity		CAS No.	NA
Molecular Formula		Molecular Weight	0.00
H.S.Code	3822.00900	Shelf Life	24 Months

Physical Properties

Packaging



Specification

Appearance	Clear colorless liquid
pH (at 25 °C)	9.0 +/- 0.05

Safety Information and Hazard Symbols

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BUFFER SOLUTION PH 10.0

Product Code.	00537	Grade	
Purity		CAS No.	NA
Molecular Formula		Molecular Weight	0.00
H.S.Code	3822.00900	Shelf Life	24 Months

Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Odorless
pH value	10	Density [g/cm3]	1.007	Solubility in water [% weight]	Soluble in water

Packaging



Specification

Appearance	Clear colorless liquid
pH (at 25 °C)	10.00 ± 0.05

Safety Information and Hazard Symbols

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BUFFER SOLUTION PH 11.0

Product Code.	00538	Grade	
Purity		CAS No.	NA
Molecular Formula		Molecular Weight	0.00
H.S.Code	3822.00900	Shelf Life	24 Months

Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Odorless
pH value	11	Density [g/cm3]	1.007	Solubility in water [% weight]	Soluble in water

Packaging



Specification

Appearance	Clear colorless liquid
pH (at 25 °C)	11.0 ± 0.05

Safety Information and Hazard Symbols

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HEPS BUFFER SOLUTION 1 M SOLUTION IN WATER

1M solution in water.

Product Code.	01332	Grade	
Purity		CAS No.	NA
Molecular Formula	C8H18N2O4S	Molecular Weight	238.30
H.S.Code	2933.59900	Shelf Life	36 Months

Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear colorless	pH value	5 - 6
Density [g/cm3]	1.07	Solubility in water [% weight]	Soluble in water		

Packaging

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Specification

Appearance	Clear colorless liquid
pH	5 - 6
Normality	0.9 - 1.1 N
UV absorbance (neat solution at 260 - 280 nm)	Max 0.1

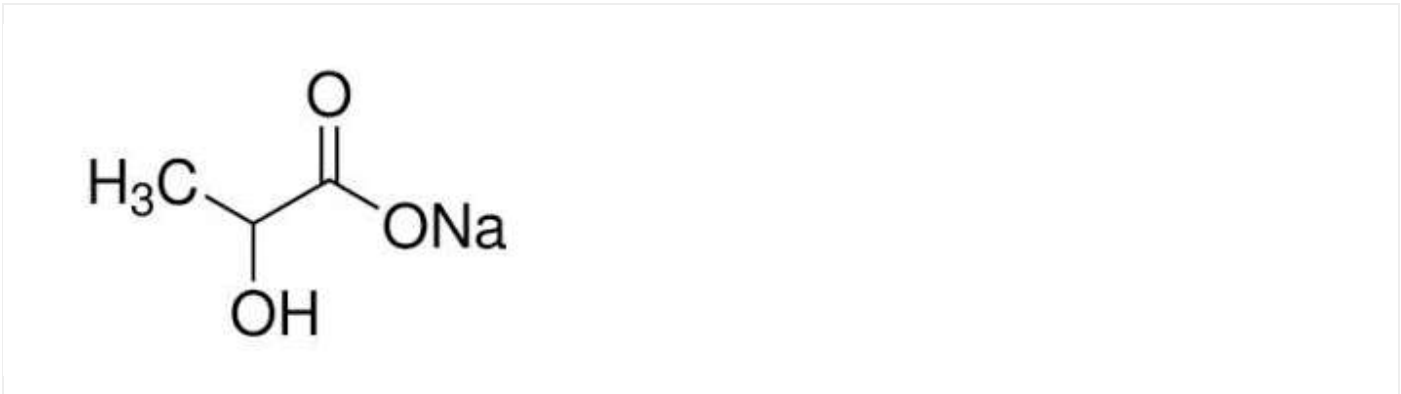
Safety Information and Hazard Symbols

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SODIUM LACTATE 60% SOLUTION EXTRAPURE

60% solution in water a variable mixture of Sodium D-Lactate and Sodium L-Lactate

Product Code.	02440	Grade	
Purity		CAS No.	72-17-3
Molecular Formula	C3H5NaO3	Molecular Weight	112.06
H.S.Code	2918.11900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Clear colorless viscous	Odour	Odorless
pH value	6.5 - 8.5	Boiling point [°C]	110°C	Vapour pressure [20°C]	17.535 mm of Hg (@ 20°C)
Vapour pressure mm/Hg	17.535 mm of Hg (@ 20°C)	Vapour density	0.7	Density [g/cm3]	1.31
Solubility in water [% weight]	Complete (100%)				

Packaging

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Specification

Appearance	Clear colorless viscous liquid
Assay	About 60.0%

Safety Information and Hazard Symbols

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