

pH-buffer Solutions

Primary pH-buffer Solutions

Produced and calibrated acc. to the instructions given in ISO Guide 34 and ISO 17025

The metrological traceability is assured through calibration by primary method for pH measurement - Harned cell

Expanded Uncertainty - $0.003 \div 0.005$

Certificate of analysis prepared acc. to ISO Guide 31:2000 „Reference materials - Contents of certificates and labels“.

DESCRIPTION	VALIDITY months	REF	VOLUME	UNIT
pH 1.679 at 25°C Potassium Tetraoxalate	12	PH214	500	ml
pH 3.557 at 25°C Potassium Hydrogen Tartrate	12	PH223	500	ml
pH 3.776 at 25°C Potassium Dihydrogen Citrate	12	PH215	500	ml
pH 4.008 at 25°C Potassium Hydrogen Phtalate	12	PH216	500	ml
pH 6.865 at 25°C Potassium Dihydrogen Phosphate/Hydrogen Phosphate	12	PH217	500	ml
pH 7.413 at 25°C Potassium Dihydrogen Phosphate/ di-Sodium Hydrogen Phosphate	12	PH218	500	ml
pH 9.180 at 25°C Sodium Tetraborate	12	PH219	500	ml
pH 10.01 at 25°C Sodium Carbonate/Sodium Hydrogen Carbonate	12	PH220	500	ml

Secondary pH-buffer Solutions

Produced and calibrated acc. to the instructions given in ISO Guide 34 and ISO 17025

Traceability to SI of NIST (SRM) or of accredited according to ISO/ IEC 17025 and/ or ISO Guide 34 Laboratories/ Producers

Certificate of analysis prepared acc. to ISO Guide 31:2000 „Reference materials - Contents of certificates and labels“.

DESCRIPTION	VALIDITY months	REF	VOLUME	UNIT	PRICE EUR	REF	VOLUME	UNIT
pH 1.679 at 25°C Potassium Tetraoxalate	12	PH014	500	ml	23	PH014a	1000	ml
pH 3.557 at 25°C Potassium Hydrogen Tartrate	12	PH021	500	ml	23	PH021a	1000	ml
pH 3.776 at 25°C Potassium Dihydrogen Citrate	12	PH015	500	ml	23	PH015a	1000	ml
pH 4.008 at 25°C Potassium Hydrogen Phtalate	12	PH016	500	ml	23	PH016a	1000	ml
pH 6.865 at 25°C Potassium Dihydrogen Phosphate/ Hydrogen Phosphate	12	PH017	500	ml	23	PH017a	1000	ml
pH 7.413 at 25°C Potassium Dihydrogen Phosphate/ di-Sodium Hydrogen Phosphate	12	PH018	500	ml	23	PH018a	1000	ml
pH 9.180 at 25°C Sodium Tetraborate	12	PH019	500	ml	23	PH019a	1000	ml
pH 10.01 at 25°C Sodium Carbonate/ Sodium Hydrogen Carbonate	12	PH020	500	ml	23	PH020a	1000	ml

Colour Coded pH-buffer Solutions

These pH-buffers are colour coded for simplicity.

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Certificate of analysis prepared acc. to ISO Guide 31:2000 „Reference materials - Contents of certificates and labels“.

DESCRIPTION	VALIDITY months	REF	VOLUME	UNIT	PRICE EUR	REF	VOLUME	UNIT
pH 4.00 at 20°C coloured Citric acid/ Sodium Hydroxide/ Sodium Chloride	24	PH004	500	ml	20	PH004a	1000	ml
pH 7.00 at 20°C coloured Potassium Dihydrogen Phosphate/di- Sodium Hydrogen Phosphate	24	PH007	500	ml	20	PH007a	1000	ml
pH 10.00 at 20 C coloured Borax/Sodium Hydroxide	24	PH010	500	ml	20	PH010a	1000	ml

Reference pH-buffer Solutions

Produced and calibrated acc. to the instructions given in ISO Guide 34 and ISO 17025

Traceability to SI of NIST (SRM) or of Laboratories/ Producers accredited according to ISO/ IEC 17025 and/ or ISO Guide 34

Certificate of analysis prepared acc. to ISO Guide 31:2000 „Reference materials - Contents of certificates and labels“.

DESCRIPTION	VALIDITY months	REF	VOLUME	UNIT	PRICE EUR	REF	VOLUME	UNIT
pH 1.00 at 20°C Glycine/ Sodium Chloride/ Hydrochloric Acid	12	PH101	500	ml	25	PH101a	1000	ml
pH 2.00 at 20°C Citric Acid/ Sodium Chloride/ Hydrochloric Acid	12	PH102	500	ml	25	PH102a	1000	ml
pH 3.00 at 20°C Citric Acid/ Sodium Chloride/ Hydrochloric Acid	12	PH103	500	ml	25	PH103a	1000	ml
pH 4.00 at 20°C Citric Acid/ Sodium Chloride/ Sodium Hydroxide	12	PH104	500	ml	25	PH104a	1000	ml
pH 5.00 at 20°C Citric Acid/ Sodium Hydroxide	12	PH105	500	ml	25	PH105a	1000	ml
pH 6.00 at 20°C Citric Acid/ Sodium Hydroxide	12	PH106	500	ml	25	PH106a	1000	ml
pH 7.00 at 20 C di-Sodium Hydrogen Phosphate/ Potassium Dihydrogen Phosphate	12	PH107	500	ml	25	PH107a	1000	ml
pH 8.00 at 20°C Boric Acid/ Sodium Chloride/ Sodium Hydroxide	12	PH108	500	ml	25	PH108a	1000	ml
pH 9.00 at 20°C Boric Acid/ Potassium Chloride/ Sodium Hydroxide	12	PH109	500	ml	25	PH109a	1000	ml
pH 10.00 at 20°C Boric Acide/ Potassium Chloride/ Sodium Hydroxide	12	PH110	500	ml	25	PH110a	1000	ml
pH 11.00 at 20°C Boric Acide/ Potassium Chloride/ Sodium Hydroxide	12	PH111	500	ml	25	PH111a	1000	ml
pH 12.00 at 20°C di-Sodium Hydrogen Phosphate/ Sodium Hydroxide	12	PH112	500	ml	25	PH112a	1000	ml
pH 13.00 at 20°C Glycine/ Sodium Hydroxide/ Sodium Chloride	12	PH113	500	ml	25	PH113a	1000	ml

