



Spezifikation

Produktbezug:	
Produktnummer	10049215GUA
Handelsname / Bezeichnung	Natriumdihydrogenphosphat Monohydrat
CAS Nummer	10049-21-5
Andere Bezeichnungen / Synonyme	•Phosphoric acid, monosodium salt, monohydrate; •SODIUM PHOSPHATE MONOBASIC, ACS; •SODIUM PHOSPHATE MONOBASIC, MONOHYDRATE, U.S.P.; •Sodium Phosphate Monobasic, Monohydrate, Crystal, Reagent, ACS; •Sodium Phosphate Monobasic, Monohydrate, Granular, BiotechGrade; •Sodium Phosphate Monobasic, Monohydrate, Granular, FCC; •Sodium Phosphate Monobasic, Monohydrate, Granular, USP, BP; •Sodium dihydrogen phosphate monohydrate, ACS, 98.0-102.; •Sodium dihydrogen phosphate monohydrate, Puratronic, 99. (metals basis); •Sodium phosphate monobasic monohydrate;
EG Nummer	600-102-0 231-449-2
Molekulargewicht [g/mol]	119,98
Formel	NaH ₂ PO ₄ H ₂ NaO ₄ P

Parameter	Methode	Spezifikation	Einheit
Sensorische Prüfung			
Aussehen der Lösung	5% H ₂ O	klar und farblos	
Aussehen		Farblose oder weiße Kristalle	
Physikalische Parameter			
Trocknungsverlust		10,0 – 15,0	%
pH-Wert		(5% in H ₂ O): 4,1 – 4,5	
Identifikation			
Gehalt	Titration	NaH ₂ PO ₄ , anhydrous basis 98,0 – 103,0	%
Identifizierung		A, B: entspricht	
Verunreinigungen			
Schwermetalle (als Pb)		≤ 10	ppm
Unlösliche Verunreinigungen		in H ₂ O ≤ 0,01	%
Sulphat (SO ₄)		≤ 30	ppm
Elementare Verunreinigungen			
Arsen (As)		≤ 8	ppm
Calcium (Ca)		≤ 50	ppm
Chloride (Cl)		≤ 5	ppm
Eisen (Fe)		≤ 10	ppm
Kalium (K)		≤ 100	ppm

Zusätzliche Angaben:

Lagerbedingungen: 20°C

Entspricht der Monographie: USP, ACS

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 10. Nov. 2021

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