

Technical Data Sheet

Product Name	Disodium Hydrogen Phosphate Dodecahydrate A.R.		
Product #	KS-00461	CAS #	10039-32-4
For laboratory use, ACS, Ph. Eur.			
Specifications			
Assay (Alkalimetric)	98.5 – 102.5%		
Assay (Alkalimetric, Calculated on Dried Substance)	98.5 – 102.5%		
Assay (Alkalimetric, Calculated on Dried Substance ;ChP)	98.0 – 101.0%		
Assay (Alkalimetric Calculated on Dried Substance according to JP)	98.0 – 101.0%		
Appearance	Colorless solid		
Identity	Passes test		
Water Insoluble Matter	≤ 0.05%		
Alkalinity	9.0 – 9.4		
pH-Value (2%; Water)	9.0 – 9.4		
pH-Value (5%; Water)	9.0 – 9.3		
Carbonate	Passes test		
Chloride (Cl)	≤ 0.001%		
Sulfate (SO ₄)	≤ 0.01%		
Heavy Metals (as Pb)	≤ 0.0001%		
Arsenic (As)	≤ 0.0001%		
Iron (Fe)	≤ 0.001%		
Sodium Dihydrogen Phosphate (NaH ₂ PO ₄)	≤ 2.5%		

Loss on Drying (130°C)	57.0 – 61.0%
Endotoxins	≤ 2.5 IU/g
Total Aerobic Microbial Count	≤ 100CFU/g
Total Yeast and Mould Count	≤ 100CFU/g

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