



SPECIFICATION SHEET

Product Name	:	Sodium dihydrogen phosphate dihydrate Ph Eur,BP,USP,JPE,E 339
Product Number	:	969.053
Brand	:	ISOLAB
CAS Number	:	13472-35-0
Formula	:	NaH ₂ PO ₄ * 2 H ₂ O
Formula Weight	:	156.02 g/mol

TEST NAME	SPECIFICATION	UNIT
Assay (calculated on dried substance)	99.0 – 102.0 %	%
Identity	passes test	
Appearance of solution	passes test	
pH-value (5%; water)	4.2 - 4.5 %	
In water insoluble matter (calculated on dried substance)	≤ 0.01 %	%
Chloride (Cl)	≤ 0.0005 %	%
Fluoride (F)	≤ 0.001 %	%
Hydrogenphosphate (HPO ₄)	≤ 0.5 %	%
Sulphate (SO ₄)	≤ 0.003 %	%
Heavy metals (as Pb)	≤ 0.0005 %	%
Al, Ca and other elements detectable	passes test	
As (Arsenic)	≤ 0.0001 %	%
Ca (Calcium)	≤ 0.005 %	%
Cd (Cadmium)	≤ 0.0001 %	%
Fe (Iron)	≤ 0.0005 %	%
Hg (Mercury)	≤ 0.0001 %	%
K (Potassium)	≤ 0.005 %	%
Pb (Lead)	≤ 0.0001 %	%
Reducing substances	passes test	
Loss on drying	22.0 - 24.0 %	%
UV absorbances (280 nm, 1 mol/l)	≤ 0.05	
Total Nitrogen (N)	≤ 0.001 %	%

Quality Management
Isolab Laborgerate GmbH

