

**SPECIFICATION SHEET**

<b>Product Name</b>	:	Sodium dihydrogen phosphate dihydrate Ph Eur, BP, USP, JPE, E 339
<b>Product Number</b>	:	969.053
<b>Brand</b>	:	ISOLAB
<b>CAS Number</b>	:	13472-35-0
<b>Formula</b>	:	NaH <sub>2</sub> PO <sub>4</sub> * 2 H <sub>2</sub> O
<b>Formula Weight</b>	:	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 <sub>4</sub> )	≤ 0.5 %	%
Sulphate (SO <sub>4</sub> )	≤ 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

