



## Specification

Concerning Product:	
Article number	13472350LP
Trade name / designation / denomination	Natriumdihydrogenphosphat-Dihydrat (L)
CAS number	13472-35-0
Other names / synonyms	•Phosphoric acid, sodium salt, hydrate (1:1:2); •Sodium Phosphate, Monobasic, Dihydrate; •Sodium dihydrogen phosphate dihydrate; •Sodium phosphate monobasic dihydrate; •sodium dihydrogen phosphate dihydrate;
EC number	231-449-2
Molecular weight [g / mol]	156.008
Formula	NaH <sub>2</sub> PO <sub>4</sub> +2H <sub>2</sub> O

Parameter	Test Method	Specification	Unit
<b>Organoleptic test</b>			
Appearance of solution		clear and colourless	
Appearance		Fine crystals	
Colour		colorless	
<b>Physical parameter</b>			
Loss on drying		130°C 21,5 – 24,0	%
pH value	5 %	positive 4,2 – 4,5	
Reducing substances		complies	
<b>Identity</b>			
Assay		NaH <sub>2</sub> PO <sub>4</sub> (dried basis) 98,0 – 100,5	%
Identification	Phosphate	positiv	
Identification	Sodium	positive	
<b>Impurities</b>			
Sulphates (SO <sub>4</sub> )		≤ 0,03	%
<b>Elemental Impurities</b>			
Chlorides (Cl)		≤ 0,02	%
Iron (Fe)		≤ 0.0010	%
<b>Microbiological data</b>			
Aerobic microorganisms		TAMC ≤ 2000	CFU/g
Endotoxintest (LAL)		≤ 6	EU/g
Yeast and Mould		(TYMC): ≤ 200	CFU/g

### **Supplemental information:**

**Complies with monographie:** Ph.Eur. 10

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 04. Nov. 2021

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