



## Specification

Concerning Product:	
Article number	10028247LP
Trade name / designation / denomination	Disodium phosphate 2-hydrate
CAS number	10028-24-7
Other names / synonyms	•Natriumhydrogenphosphat; •Phosphoric acid, disodium salt, dihydrate; •Sodium phosphate dibasic dihydrate;
EC number	231-448-7
Molecular weight [g / mol]	177.989
Formula	Na <sub>2</sub> HPO <sub>4</sub> +2 H <sub>2</sub> O

Parameter	Test Method	Specification	Unit
<b>Organoleptic test</b>			
Appearance of solution	5%	complies	
Appearance		powder	
Colour		white	
<b>Physical parameter</b>			
Loss on drying		130°C 19,5 – 21,0	%
Reducing substances		complies	
<b>Identity</b>			
Assay	on dried basis	98,0 – 101,0	%
Assay	Monosodumphosphate	≤ 0,025	
Identification		complies	
<b>Impurities</b>			
Heavy Metals (as Pb)		≤ 0,002	%
Sulphates (SO <sub>4</sub> )		≤ 0,1	%
<b>Elemental Impurities</b>			
Arsenic (As)		≤ 0.0004	%
Chlorides (Cl)		≤ 0,04	%
Iron (Fe)		≤ 0,004	%
<b>Microbiological data</b>			
Aerobic microorganisms		(TAMC): ≤ 2000	CFU/g
Yeast and Mould		(TYMC): ≤ 200	CFU/g
<b>Particle size distribution</b>			
Particles		99% ≤ 1,0	mm

### 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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