

**PRODUCT CODE: 131678****di-Sodium Hydrogen Phosphate 12-hydrate for analysis, ISO**

 $\text{HNa}_2\text{O}_4\text{P} \cdot 12\text{H}_2\text{O}$ $\text{Na}_2\text{HPO}_4 \cdot 12\text{H}_2\text{O}$

M.= 358,14

CAS [10039-32-4]

EINECS 231-448-7

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SYNONYMS: Disodium Phosphate dodecahydrate, Sodium Phosphate di-Basic dodecahydrate, Disodium Phosphate dodecahydrate

PHYSICAL DATA: crystals, White, Soluble in water 218 g/l at 20 °C D 1,52 • M.P.: 34 °C • pH(5% solution)9,0 - 9,4 •

BIBLIOGRAPHY: Merck Index **12**, 8.805 13, 8.733 Römp **8** , **2743** • ISO 6353/2-1983R - 33 , 47 • BP.**2025** • USP **43** • Ph. Eur. **10.0** (2019) **11.0** (2023) • BOE **243**(8-10-2009) • Regulation (EU) n° 231/2012 •

HAZARDOUS: LD50 ipr mus 430 mg/kg

OBSERVATIONS: Not recommended in areas with a very hot climate •

SPECIFICATIONS:

Assay (Acidim.) 99-102 %

pH of 5% solution 9-9,4

Maximum limit of impurities

Insoluble matter in H ₂ O	0,005 %
Chloride (Cl)	0,0005%
Nitrogen compounds (as N)	0,001%
Sulfate (SO ₄)	0,005%
Mono or tri-Base salt	passes test
Heavy metals (as Pb)	0,0005%
As	0,00005 %

Ca	0,001	%
Cd	0,0005	%
Co	0,0005	%
Cr	0,0005	%
Cu	0,0005	%
Fe	0,0005	%
K	0,01	%
Mg	0,001	%
Mn	0,0005	%
Ni	0,0005	%
Pb	0,0005	%
Zn	0,0005	%