

Identification

Na₃PO₄·12H₂O
M = 380,12 g/mol
CAS [10101-89-0]
EC number: 231-509-8
Taric code: 2835 23 00

Synonyms

Trisodium phosphate, Sodium phosphate tribasic

Applications

analytical chemistry, laboratory reagent, detergent, disinfectant.

Specifications

assay (acidimetric).....	98,0 - 102,0 %	chlorides (Cl).....	max. 0,0005 %
identity (IR-spectrum).....	passes test	fluorides (F).....	max. 0,0005 %
insoluble in water.....	max. 0,01 %	sulfates (SO ₄).....	max. 0,005 %
free alkali (as NaOH).....	max. 2,5 %	heavy metals (as Pb).....	max. 0,001 %
		iron (Fe).....	max. 0,001 %

Physical data

- Appearance: crystals, colourless or white
- Spec. Density: 1,62 g/cm³
- Bulk density: ~ 620 kg/m³
- Solub. in water: (20 °C): 285 g/l
- Melting point: 75 °C
- pH(10 g/l H₂O, 20 °C) ~ 12

Safety - GHS

Signal Word: Warning

Hazard Statements:

- H315: Causes skin irritation.
H319: Causes serious eye irritation.

**Precautionary Statements:**

- P280: Wear protective gloves / protective clothing / eye protection / face protection.
P264: Wash thoroughly after handling.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321: Specific treatment (see on this label).
P332+P313: If skin irritation occurs: Get medical advice / attention.
P337+P313: If eye irritation persists: Get medical advice / attention.

Transport/storage

- 10°C - 30°C