

Identification

Na₂CO₃ · 10H₂O
M = 286,14 g/mol
CAS [6132-02-1]
EC number: 207-838-8
Taric code: 2836 20 00

Synonyms

Soda decahydrate

Applications

analytical chemistry, laboratory reagent, for pharmaceuticals synthesizing, in food industry (E 500), in the textile industry, whitener agent, in pharma industry.

Specifications

assay (acidimetric, as Na ₂ CO ₃).....	36,7 - 40,0 %	alkali hydroxides and bicarbonates.....	passes test
Identification A (EP).....	passes test	chlorides (Cl).....	max. 50 ppm
Identification carbonates.....	passes test	sulfates (SO ₄).....	max. 100 ppm
Identification sodium.....	passes test	arsenic (As).....	max. 2 ppm
appearance of solution.....	passes test	iron (Fe).....	max. 20 ppm

Physical data

- Spec. Density: 1,44 g/cm³
- Bulk density: ~ 700 - 900 kg/m³
- Solub. in water: (20 °C): ~ 210 g/l
- Melting point: 33 °C
- pH(50 g/l H₂O, 25 °C) 11 - 12

Safety - GHS

Signal Word: Warning

Hazard Statements:

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.
P337+P313: If eye irritation persists: Get medical advice / attention.

Transport/storage

- 10°C - 30°C