

Sodium carbonate decahydrate, for analysis, ExpertQ®, ISO, Reag. Ph Eur

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.

Specifications

assay (acidimetric).....	99,0 - 102,0 %	total sulphur (as SO ₄).....	max. 0,003 %
assay (acidimetric, as Na ₂ CO ₃).....	36,7 - 40,0 %	aluminium (Al).....	max. 5 ppm
identity (IR-spectrum).....	passes test	arsenic (As).....	max. 2 ppm
appearance of solution.....	passes test	calcium (Ca).....	max. 0,002 %
chlorides (Cl).....	max. 0,001 %	heavy metals (as Pb).....	max. 5 ppm
phosphates and silicates (as SiO ₂).....	max. 0,003 %	iron (Fe).....	max. 2 ppm
sulfates (SO ₄).....	max. 100 ppm	magnesium (Mg).....	max. 2 ppm
total nitrogen (as N).....	max. 5 ppm	potassium (K).....	max. 0,005 %

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