

Identification

Na₂CO₃
M = 105,99 g/mol
CAS [497-19-8]
EC number: 207-838-8
Taric code: 2836 20 00

Synonyms

Anhydrous soda





Applications

analytical chemistry, laboratory reagent, to make sodium salts, manufacture of glass, detergent, in the textile industry, photography, in the pharmaceuticals industry, in food industry (E 500).

Specifications

assay (acidimetric, on dried sample).....	min. 99,8 %	heavy metals (as Pb).....	max. 0,0005 %
insoluble in water.....	max. 0,01 %	iron (Fe).....	max. 0,0005 %
chlorides (Cl).....	max. 0,001 %	lead (Pb).....	max. 0,0005 %
phosphates (as PO ₄).....	max. 0,001 %	magnesium (Mg).....	max. 0,0005 %
silicates (SiO ₂).....	max. 0,005 %	potassium (K).....	max. 0,005 %
total nitrogen (as N).....	max. 0,001 %	ammonium hydroxide precipitate.....	max. 0,01 %
aluminium (Al).....	max. 0,001 %	sulphur compounds (as SO ₄).....	max. 0,003 %
arsenic (As).....	max. 0,0001 %	substances precipitable by Ca and Mg.....	max. 0,01 %
calcium (Ca).....	max. 0,005 %	loss on drying (300 °C).....	max. 1 %

Packaging**Packaging Code**

500 g  SO01160500
1 kg  SO01161000
5 kg  SO0116005P
25 kg  SO0116025P

Physical data

- Appearance: crystalline powder, white
- Spec. Density: 2,53 g/cm³
- Bulk density: ~ 1100 kg/m³
- Solub. in water: (20 °C): 220 g/l
- Melting point: 854 °C
- Boiling point: 1600 °C (decomposes)
- pH(50 g/l H₂O, 25 °C) 11,5

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.

Toxicological data

- LD 50 (oral, rat): 4090 mg/kg
- MAK: 1,5 mg/m³
- WGK: 1
- Poison class CH (Swiss): 5