

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

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 %	aluminium (Al).....	max. 0,001 %
identity (IR-spectrum).....	passes test	arsenic (As).....	max. 1 ppm
insoluble in water.....	max. 0,01 %	calcium (Ca).....	max. 0,005 %
chlorides (Cl).....	max. 0,001 %	heavy metals (as Pb).....	max. 5 ppm
phosphates (as PO ₄).....	max. 0,001 %	iron (Fe).....	max. 5 ppm
phosphates and silicates (as SiO ₂).....	max. 0,005 %	magnesium (Mg).....	max. 5 ppm
silica (SiO ₂).....	max. 0,005 %	potassium (K).....	max. 0,005 %
total nitrogen (as N).....	max. 0,001 %	sulphur compounds (as SO ₄).....	max. 0,003 %
		loss on drying (300 °C).....	max. 1,0 %

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.

Transport/storage

- 10°C - 30°C