

**Identification**

Na<sub>2</sub>CO<sub>3</sub>·10H<sub>2</sub>O  
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 <sub>2</sub> CO <sub>3</sub> ).....	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 <sub>4</sub> ).....	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/cm<sup>3</sup>
- Bulk density: ~ 700 - 900 kg/m<sup>3</sup>
- Solub. in water: (20 °C): ~ 210 g/l
- Melting point: 33 °C
- pH(50 g/l H<sub>2</sub>O, 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