

**QUALITY SPECIFICATION**  
**Soda Ash Dense from silo in Helsinborg**

Producer: **CIECH Soda Polska S.A. , Manufacturing Plant Janikosoda, Janikowo, Poland**

Commercial name: **Soda ash dense**

Chemical name: Sodium carbonate

Chemical formula: Na<sub>2</sub>CO<sub>3</sub>

Molecular weight: 105.99

CAS No.497-19-8

EC No. 207-838-8

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**Product overview**

Sodium carbonate is produced by carbonization of ammonia brine. The basic raw materials are lime stone and brine (NaCl) and ammonia water. The raw materials used come from approved suppliers.

**Physical and chemical properties**

Test parameters	Guaranteed values
<b>General requirements</b>	White(creamy) fine granules without foreign odour
<b>Chemical composition</b>	
Na <sub>2</sub> CO <sub>3</sub> , not less than	99.6 %
NaCl, not more than	0.15 %
Fe, not more than	0.0010 %
Na <sub>2</sub> SO <sub>4</sub> , not more than	0.02 %
Loss of ignition, not more than	0.2 % *
Water insoluble matter	0.02

Explanations:

\*- on the anhydrous mass

\*\* -70 °C raising gradually to 300 °C, to constant weight; parameter is guaranteed for the product sent from the factory.

Physical and chemical parameters:

Test parameters	Guaranteed values
<b>Particle size distribution</b>	
Over 1,6 mm	max 0.0 %
Over 1,0 mm	max 15%
Under 0,1 mm	max 1,5 %
<b>BULK DENSITY</b>	0.95 – 1.05 g/cm <sup>3</sup>