
 Cullingworth Chemicals	Product Specification	Specification	SP/ZLJ/01
		Edition Number / Year	9/2016
Sodium carbonate light		Replaces document No. / Edition	SP/ZLJ/01 8/2015
		Effective date	22.12.2016
Sodium carbonate light		Copy Number	2
		Page	1 / 3

Chemical name: Sodium carbonate Trade name: Sodium carbonate light, Soda ash light Synonyms: Calcined soda light, disodium carbonate light, sodium carbonate anhydrous light Chemical formula: Na ₂ CO ₃ Molecular Weigh: 105,99	CAS No.	497-19-8
	EC No.	207-838-8

Physicochemical parameters:
Table 1.

Quality Parameters	Expressed as	Unit	Guaranteed values	Typical values
General requirements	-	-	White or slightly cream colored powder, without foreign impurities	White or slightly cream colored powder, without foreign impurities
Sodium carbonate	Na ₂ CO ₃	%	≥ 99,5*	99,6 - 99,8
Chlorides	NaCl	%	≤ 0,4	0,08 - 0,22
Iron	Fe ₂ O ₃	%	≤ 0,0060	0,0011- 0,0020
Sulfates	Na ₂ SO ₄	%	≤ 0,02	< 0,02
Loss on roasting	H ₂ O	%	≤ 0,5**	0,10- 0,17
Insoluble matter in H₂O	-	%	≤ 0,02	0,006- 0,01
Density	-	kg/dm ³	0,05 - 0,65	0,53- 0,61

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

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Sodium carbonate light		Copy Number	2
		Page	1 / 3

Sieves Analysis:

(100 g, 10 min, ampl. 2,0)

Table 2. Granulometric Parameters

Sieve Mesh Size	Sodium carbonate light	
	Guaranteed Values	Range of Typical Values
mm	%	%
> 2,5	≤ 3	0,0 - 2,1
> 0,4	≤ 10	0,6 - 7,2
< 0,063	≤ 35	12,2 - 28,6

Packaging:

- bags 25 and 30 kg on pallets,
- big bags on pallets,
- bulk.

Transport and storage:

Sodium carbonate should be transported in clean, indoor means of transport, in accordance with applicable law. The load should be evenly distributed in a manner preventing movement of packages and their mutual damage.

Note: Soda is a hygroscopic substance; product should be protected against moisture and/or from getting wet!

The product should be stored in clean place of moisture 30 -70% in tightly closed containers or storage silos.

Packages - bags or big bags should be stored on pallets.

Pallets should be stored no more than 2 layers.


During storage and transport of sodium carbonate light may create soft, easily disintegrating lumps.

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		Page	1 / 3

The information contained in this document is a trade offer. It is based on our knowledge and experience. The possibilities of using our product are numerous and beyond our control, the buyer is responsible for control of our product storage and usage conditions in their territory.

Term of validity: 1 year from production date.

After expiry date, the product parameters should be verified. If the parameters comply with the requirements, the product can be used. The second control doesn't determine the next expiry date but specifies only quality of the product on research day.

Before using, read the safety data sheet of the product

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