

Soc. Chimica Emilio Fedeli S.p.A.

DENSE SODA ASH SPECIFICATIONS

Chemical Name	Sodium Carbonate Anhydrous
Formula	: Na ₂ CO ₃
Molecular Weight	: 105,99
CAS No	: 497-19-8
EINECS No	: 207-838-8

Chemical Specifications:

		Specification
Na ₂ CO ₃	%	99.5 min
Na ₂ O	%	58.2 min
NaCl	%	0.1 max
Na ₂ SO ₄	%	0.1 max
Total Fe	µg / g	10 max
Water Insolubles	%	0.05 max
As / Arsenic	ppm	3 max
Pb / Lead	ppm	5 max
Hg / Mercury	ppm	1 max
Solubility	(g/100 ml water)	45.5 (100°C) 49.5 (35.37 °C) Max. 7 (0 °C)
pH	1 % solution	11.4

Physical Properties:

		Specification
Bulk Density	g/cm ³	0.95-1.15
Whitness	%	L*= 95 min. (CIE Lab)
Appearance	(visual)	Free flowing white granule
Particle Size		
+600 micron (µm)	%	5 max
+150 micron (µm)	%	88 min (typical 90%)
-75 micron (µm)	%	5 max