



Reference : SS/LA.001  
Issue No. : 3  
Dated : 01.04.2011

# sales specification

## ANHYDROUS SODIUM CARBONATE

### LIGHT GRADE (UK)

#### CHEMICAL COMPOSITION

						Typical
Total Alkali	Na <sub>2</sub> CO <sub>3</sub>	%	:	99.00	MIN.	99.6
Total Alkali	Na <sub>2</sub> O	%	:	57.90	MIN.	58.2
Bicarbonate	NaHCO <sub>3</sub>	%	:	0.70	MAX.	0.21
Moisture (loss on heating )		%	:	0.50	MAX.	0.20
Insolubles in water @ 20°C.		mg/kg	:	200	MAX.	105
Chloride	NaCl	%	:	0.30	MAX.	0.10
Sulphate	Na <sub>2</sub> SO <sub>4</sub>	mg/kg	:	400	MAX.	90
Iron	Fe <sub>2</sub> O <sub>3</sub>	mg/kg	:	30	MAX.	9
Fluoride	F	mg/kg	:	15	MAX.	<5*
Arsenic	As	mg/kg	:	1	MAX.	<0.1*
Cadmium	Cd	mg/kg	:	1	MAX.	<0.5*
Chromium	Cr	mg/kg	:	1	MAX.	<0.1*
Cobalt	Co	mg/kg	:	1	MAX.	<0.1*
Copper	Cu	mg/kg	:	1	MAX.	<0.1*
Lead	Pb	mg/kg	:	1	MAX.	<0.5*
Manganese	Mn	mg/kg	:	1	MAX.	<0.1*
Nickel	Ni	mg/kg	:	1	MAX.	<0.1*
Titanium	Ti	mg/kg	:	1	MAX.	<0.2*
Vanadium	V	mg/kg	:	1	MAX.	<0.1*

\*Actual level is below the limit of detection

#### PHYSICAL PROPERTIES

Pouring Density	Kg/m <sup>3</sup>	:	480	MIN.	560
		:	600	MAX.	

#### Particle Size

Sieve Fraction (microns)	Typical % by Weight
> 2800	<1
425 - 2800	3
125 - 425	33
63 - 125	42
<63	22
Average Median Size (microns)	100 +/- 20



**APROVADO**  
Dep. Qualidade



TATA CHEMICALS EUROPE LIMITED

Winnington Lane, Northwich, Cheshire, CW8 4DT, United Kingdom  
Tel +44 (0) 1606 724000 Fax +44(0) 1606 781353 www.tatachemicals.com