

ANHYDROUS SODIUM CARBONATE LIGHT GRADE (UK)

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

CHEMICAL COMPOSITION

						Typical
Total Alkali	Na ₂ CO ₃	%	:	99.00	MIN.	99.6
Total Alkali	Na ₂ O	%	:	57.90	MIN.	58.2
Bicarbonate	NaHCO ₃	%	:	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 ₂ SO ₄	mg/kg	:	400	MAX.	90
Iron	Fe ₂ O ₃	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 ³	:	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

