



Product Specification Approval Form			
Product	Anhydrous Sodium Carbonate Light Grade (UK)		
Specification reference	Version	Change Control Number	Pages Attached
SS/LA.001	04	2019_08	1

	Name	Position	Signed	Date
Commercial	Craig Thornhill	Head of Soda Ash Sales		29/10/19
Operations	Steve Mcguinness	Senior Plant Manager Ammonia Soda		
Quality	Mark Cooper	Head of Quality		29 OCT 19

Copy location:	Issued by:	Date:
Review Date:	Signature:	



Reference : SS/LA.001
 Issue No. : 4
 Dated : 29 Oct 2019

sales specification

ANHYDROUS SODIUM CARBONATE

LIGHT GRADE (UK)

CHEMICAL COMPOSITION

						<i>Typical</i>
Total Alkali	Na ₂ CO ₃	%	:	99.00	MIN.	99.72
Total Alkali	Na ₂ O	%	:	57.90	MIN.	58.33
Bicarbonate	NaHCO ₃	%	:	0.70	MAX.	0.17
Moisture (loss on heating)		%	:	0.50	MAX.	0.18
Insolubles in water @ 20 °C.		mg/kg	:	200	MAX.	105
Chloride	NaCl	%	:	0.30	MAX.	0.23
Sulphate	Na ₂ SO ₄	mg/kg	:	400	MAX.	135
Iron	Fe ₂ O ₃	mg/kg	:	30	MAX.	9
Fluoride	F	mg/kg	:	15	MAX.	<2*
Arsenic	As	mg/kg	:	1	MAX.	<0.1*
Cadmium	Cd	mg/kg	:	1	MAX.	<0.02*
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.	<0.2*
Manganese	Mn	mg/kg	:	1	MAX.	<0.1*
Mercury	Hg	mg/kg	:	0.1	MAX.	<0.002*
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.	549
		600	MAX.	

Particle Size

<u>Sieve Fraction (microns)</u>	<u>Typical % by Weight</u>
>2800	0.4
425 – 2800	1.95
125 – 425	23.34
63 – 125	46.06
<63	22.78
Average Median Size (microns)	100 +/-20

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