



Product Specification Approval Form			
Product	Anhydrous Sodium Carbonate Granular Standard Grade (UK)		
Specification reference	Version	Change Control Number	Pages Attached
SS/GA.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/GA.001
 Issue No. : 4
 Dated : 29 Oct 2019

sales specification

ANHYDROUS SODIUM CARBONATE

GRANULAR STANDARD GRADE (UK)

CHEMICAL COMPOSITION

						<i>Typical</i>
Total Alkali	Na ₂ CO ₃	%	:	99.30	MIN.	99.76
Total Alkali	Na ₂ O	%	:	58.10	MIN.	58.35
Moisture (loss on heating)		%	:	0.30	MAX.	0.08
Insolubles in water @ 20°C.		mg/kg	:	200	MAX.	108
Chloride	NaCl	%	:	0.25	MAX.	0.11
Sulfate	Na ₂ SO ₄	mg/kg	:	300	MAX.	96
Iron	Fe ₂ O ₃	mg/kg	:	30	MAX.	7
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	:	950	MIN.	1051
			1100	MAX.	
Temperature	°C	:	70	MAX.	

Particle Size

<u>Sieve Fraction (microns)</u>	<u>% Max. by Weight</u>	<u>Typical % by Weight</u>
> 2800	0.5	<i>Nil</i>
1000 - 2800	5.0	<i>0.52</i>
425 - 1000		<i>18.57</i>
250 - 425		<i>36.66</i>
125 - 250		<i>38.91</i>
63 - 125	6.0	<i>5.26</i>
<63	3.0	<i>0.07</i>

Average Median Size (microns) 280 +/- 50

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