



**Specification**  
**Sodium Bicarbonate Kazan Feed Grade 25kg Bag**

The following specification is the latest revision (as at 14 Apr 2021) and supersedes all previous specifications for this product code.

Specification Details					
Product Code	SOBICA3080	CAS Number	144-55-8	Shelf Life	730 Day
Product	Sodium Bicarbonate Kazan Feed Grade 25kg Bag				
Pack Size	25 kg net Bags				
Customer Name	Chondros H & K T/A Enfield Produce				
Sales Order	5243149	Customer Ref	0004		
Revision	2 (on 17/02/2021)				
Authorised By	Damien Barrett Quality Assurance Manager	Notes	Amended Bulk Density, Added Whiteness as typical,		

Specifications				
Description	Unit	Typical	Guaranteed	Method
Chemical Name: Sodium Bicarbonate				
Formula: NaHCO <sub>3</sub>				
Molecular weight: 84.01				
Appearance: Free flowing white powder				Visual
NaHCO <sub>3</sub>	%		Min 99.3	TS 1282
Na <sub>2</sub> CO <sub>3</sub>	%		Max 0.5	Validation
Cl	mg/kg		Max 700	TS 3050
SO <sub>4</sub> <sup>2-</sup>	mg/kg		Max 300	TS 3050
Water insoluble	mg/kg		Max 500	TS 10380
#pH, 1% Solution			8.0 - 8.6	Validation
#Arsenic, As	ppm		Max 0.1	ICP
#Lead, Pb	ppm		Max 0.1	ICP
#Mercury, Hg	ppm		Max 0.1	ICP
#Iron, Fe+3	mg/kg		Max 0.005	ICP
Humidity	%	0.03	Max 0.05	Validation
Bulk Density	g/cm <sup>3</sup>		0.75 - 1.25	
NaCl	mg/kg	176	to be reported	TS 3050
Cadmium, Cd	ppm	Max 2		
Fluorine, F	ppm	Max 150		
Whitness	%	L*=95min		CIE LAB
Solubility, g/100 ml water	deg C			
- @ 60 deg C		15.6		
- @ 20 deg C		9.55		
- @ 0 deg C		5.55		
#Dioxins	ng/kg		Max 0.1	EC directive 2002/70/EC
#Sum of dioxins and dioxin-like PCBs	ng/kg		Max 1.0	EC directive 2002/70/EC
Particle Size:				
+75 micron	%		20 - 90	Validation

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Specifications				
Description	Unit	Typical	Guaranteed	Method
+45 micron	%		60 - 100	Validation
Note:# These results are typical experiment values				

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