



# PRODUCT SPECIFICATION



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## PRODUCT

**BI CARB SODA FINE USP**

BCSAIF25F

<b>Product Description</b>	Bi Carb Soda Fine USP Grade
<b>Primary Country of Origin</b>	USA/Singapore/France
<b>Ingredients</b>	Sodium Bicarbonate
<b>Allergens Present</b>	None
<b>GMO</b>	<input checked="" type="checkbox"/> No / GMO Free <input type="checkbox"/> Yes
<b>Certifications</b>	
<b>Production Statement</b>	<p>Fine white powder: produced via wet and dry method in which sodium bicarbonate is precipitated as crystals, by infusion carbon dioxide gas into caustic soda derived by electrolysis to cause a reaction. Sodium bicarbonate is suitable for food applications.</p> <p>Chemical Formula- <math>\text{NaHCO}_3</math>  Molecular weight- 84g/mol  CAS no: 144-55-8</p>

Suitability	<input checked="" type="checkbox"/> Halal	<input checked="" type="checkbox"/> Kosher	<input checked="" type="checkbox"/> Vegan	<input type="checkbox"/> Organic
	<input type="checkbox"/> Biodynamic	<input checked="" type="checkbox"/> Gluten Free	<input checked="" type="checkbox"/> Lacto-vegetarian	<input checked="" type="checkbox"/> Ovo-lacto-vegetarian

## NUTRITIONAL DATA

Typical Analysis Per 100g

Energy	0 kJ
Protein	0 g
Fat Total	0 g
- Saturated	0 g
- Transfat	0 g
- Polyunsaturated	0 g
- Monounsaturated	0 g
Cholesterol	0 g
Carbohydrates	0 g
- Sugars	0 g
- Dietary fibre, total	0 g
Sodium	27100 mg
Potassium	0 mg
Gluten	#ND

## ANALYTICAL SPECIFICATIONS

<b>Organoleptic</b>	Colour	White
	Odour	Odourless, typical of the product
	Appearance	Fine Crystalline powder

<b>Physical</b>	Particle Size:		<b>Chemical</b>	Chloride	≤ 200 mg/kg
	On 100 mesh (150 micron) Sieve	Max 2% w/w		Arsenic	≤ 2 mg/kg
	On 200 mesh (75 micron) Sieve	20-50%		Lead (Pb)	≤ 2 mg/kg
	On 325 mesh (45 micron) Sieve	60-100%		Heavy Metals	≤ 5 mg/kg
	Bulk Density	Min 800g/L		Assay of NaHCO <sub>3</sub>	≥ 99 %
				NaCO <sub>3</sub>	≤ 1% Report as pass
				pH (5% Aqueous Solution)	< 8.6
			Ammonium' Ammonia	<20 mg/kg Report as pass	

<b>Microbiological</b>	Not Applicable	

<b>Sulphates</b>	None		
<b>Quarantine Treatments</b>	None		

### STORAGE / SHIPPING

<b>Shelf Life</b>	24 months from time of manufacture
<b>Storage</b>	Store in cool and dry place. The ideal temperature for storage is from 21 to 27 Deg C with a relative humidity of 40 to 50%
<b>Packaging</b>	25kgs
<b>Units Per Pallet</b>	40
<b>Pallet Weight</b>	1000kgs

Approved by

Y. Ryan – Version 2. 03/2023

