

Batch Details					
<b>Batch</b>	N1212421-1	<b>Mfr. Date</b>	30 Aug 2021	<b>Expiry Date</b>	30 Aug 2023
<b>Lot Reference</b>	N1212421-1				
<b>Product Code</b>	SOBICA7430	<b>CAS Number</b>	144-55-8	<b>Shelf Life</b>	730 Day
<b>Product</b>	Sodium Bicarbonate USP #1 Powder				
<b>Quantity / Packing</b>	0.050 Tonne / 2 x 25 kg net Bags				
<b>Customer Name</b>	BeerCo Pty Ltd				
<b>Sales Order</b>	5486345B	<b>Customer Ref.</b>	1080		
<b>Spec. Revision</b>	11 (on 04 Feb 2020)				
<b>Spec. Authorised By</b>	Damien Barrett Quality Assurance Manager				

Specifications					
Description	Method	Typical	Guaranteed	Result	Unit
Chemical Name: Sodium Bicarbonate					
Formula: NaHCO <sub>3</sub>					
Molecular Weight: 84.01					
Appearance: white crystalline powder					
Assay, Sodium Bicarbonate, dry basis	USP		99.0 - 100.5	100.3	%
pH, 3% solution	USP		7.8 - 8.5	8.1	
Chloride	USP <221>		Max 150	Max 150	ppm
Moisture	USP <731> Loss on Drying		Max 0.25	Max 0.25	wt %
* Ammonia	USP		Max 20	Max 20	ppm
* Cadmium	Atomic Absorption		Max 1	Max 1	ppm
* Calcium	Atomic Absorption		Max 100	Max 100	ppm
* Copper	Atomic Absorption		Max 1	Max 1	ppm
* Insoluble	USP		Passes Test	Passes Test	
* Iron	Atomic Absorption		Max 5	Max 5	ppm
* Lead	Atomic Absorption		Max 2	Max 2	ppm
* Magnesium	Atomic Absorption		Max 40	Max 40	ppm
** Limit of Sulfur Compound	USP		Max 150	Max 150	ppm
*** Aluminium	ICP		Max 2	Max 2	ppm
*** Arsenic	USP <211>		Max 2	Max 2	ppm
*** Identification	USP <191>		Passes Test	Passes Test	
*** Mercury	USP <232>		Max 1	Max 1	ppm
*** Normal Carbonate	USP		Passes Test	Passes Test	
SCREEN ANALYSIS (Cumulative percent retained on U.S. Std Sieve)					
Retained on Sieve No. 100 (150 micron)			0.0 - 2.0	0.0	%
Retained on Sieve No. 200 (75 micron)			20.0 - 50.0	45.0	%
Retained on Sieve No. 325 (45 micron)			60.0 - 100.0	83.0	%



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<b>Description</b>	<b>Method</b>	<b>Typical</b>	<b>Guaranteed</b>	<b>Result</b>	<b>Unit</b>
Bulk density - poured		65 - 75	To be reported	71.1	lbs/ft3
Total Alkalinity as Na2O		1 lb. NaHCO3 = 0.369 lb. Na2O			
Specific gravity		2.16			g/cm3
Solubility in water @ 60 deg C		16.4			g/100g H2O
Solubility in other solvents		insoluble in alcohol			
Taste: slightly alkaline					
Conforms to Current USP			Conforms	Conforms	
* Tested Daily					
** Tested weekly					
*** Tested Quarterly					

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