

## Specification

<b>Product</b>	:	<b>Sodium Bicarbonate – Food Grade (BRC approved)</b>
<b>Label</b>	:	<b>Sodium Bicarbonate Food BRC</b>
<b>CAS #</b>	:	<b>144-55-8</b>
<b>EINECS #</b>	:	<b>205-633-8</b>

<b>Critical Parameters</b>	<b>Standard</b>
NaHCO <sub>3</sub> (%)	99.3 Min
Na <sub>2</sub> CO <sub>3</sub> (%)	0.5 Max
Chloride, (%)	0.025 Max
SO <sub>4</sub> <sup>-2</sup> , (%)	0.03 Max
Water insolubles, (%)	0.05 Max
Pb/ Lead (mg/kg)	0.1 Max
As/ Arsenic(mg/kg)	0.1Max
Hg/ Mercury (mg/kg)	0.1 Max
Cd / Cadmium (mg/kg)	5 max
Iron ion (mg/kg)	10 Max
Humidity (%)	0.05 Max
Solubility (g/100 ml water)	15.6 (60°C) 9.55 (20°C) 5.55 (0°C)
pH (1% solution)	8.0-8.6
<b>Microbiological / Dioxin Properties</b>	
Salmonella kob / 25 gr	0
Entro-bacteria kob / gr	Max 5x10 <sup>2</sup>
Mold yeast kob / gr	Max 1000
Dioxins ng /kg	0.1 max
Sum of dioxins and dioxin like PCB's ng/kg	1.0 max
<b>Other Parameters</b>	
Bulk Density (g/cm <sup>3</sup> )	0.95-1.25
Whiteness (%)	L* = 95 min (CIE Lab)
Appearance	Free flowing white powder
<b>Particle size</b>	
+75 micron, (µm) (%)	20 – 90
+45 micron, (µm) (%)	60 - 100

**17/08/2020**