

## Sodium Bicarbonate Feed Grade

### Chemical Properties:

Sodium bicarbonate, as NaHCO <sub>3</sub>	99.0% minimum 99.0 - 100.5% typical
Sodium, as Na	> 27.1%

### Physical properties:

Appearance:	White, crystalline powder
Bulk Density:	65 - 75 lbs/ft <sup>3</sup>
pH (1% solution):	8.3

### Screen Analysis:

Cumulative % retained (Typical)

<u>U.S. Std Sieve No</u>	<u>Minimum</u>	<u>Maximum</u>
+100	0	80
+200	20	100
+325	50	100

<b>Thermal Decomposition:</b>	Decomposes (without melting) into Na <sub>2</sub> CO <sub>3</sub> , H <sub>2</sub> O, and CO <sub>2</sub>
<b>Alkali Equivalent:</b>	1 lb. NaHCO <sub>3</sub> = 0.369 lb. Na <sub>2</sub> O
<b>Carbon Dioxide Equivalent:</b>	1 lb. NaHCO <sub>3</sub> = 0.524 lb. CO <sub>2</sub>
<b>Specific Gravity:</b>	2.16 g / cm <sup>3</sup>
<b>Specific Heat @ 25 °C:</b>	20.94 cal / deg mol
<b>Solubility in Water @ 60 °C:</b>	16.4 g / 100 g H <sub>2</sub> O
<b>Solubility in other Solvents:</b>	Insoluble in alcohol



**Heat of Formation:** - 227.25 K cal / mol

**Heat of Solution:** 3.81 K cal / mol

**Taste:** Slightly alkaline

**Packaging:**

Multi-wall Paper Bags – 25 kg

Super sacks – 1000 kg

Bulk Load