

**Technical Data Sheet**

# EnProve<sub>BC</sub> - Powdered

CAS No. 144-55-8

<b>Formula</b>	NaHCO <sub>3</sub>
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<b>Molecular Weight</b>	84.01
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**Particle Size Distribution**

Screen Size	Cumulative % Retained	
	Minimum	Maximum
USS 100 (150 μm)	0	2
USS 200 (75 μm)	20	45
USS 325 (45 μm)	60	100

**Chemical Properties**

	Typical
Sodium Bicarbonate, NaHCO <sub>3</sub> , wt %	100

**General Properties**

Typical bulk density, lb/ft <sup>3</sup> (kg/m <sup>3</sup> )	66 (1057)
Particle density, g/cm <sup>3</sup>	2.22
pH of 1% solution @ 25°C (77°F)	8.3
Appearance	White crystalline powder
Thermal decomposition	Decomposes (without melting) into Na <sub>2</sub> CO <sub>3</sub> , H <sub>2</sub> O, and CO <sub>2</sub>
Flowability	Free-flowing
Alkali Equivalent	1 lb NaHCO <sub>3</sub> = 0.369 lb Na <sub>2</sub> O
Acid Equivalent	1 lb NaHCO <sub>3</sub> = 0.435 lb HCl
Carbon Dioxide Equivalent	1 lb NaHCO <sub>3</sub> = 0.524 lb CO <sub>2</sub>

<b>Standard Containers</b>	Bulk hopper cars and trucks, super sacks
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<b>Uses</b>	Acid gas treatment, pH balance for water treatment
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