



Product Specification

Product Name: SODIUM HYDROGEN CARBONATE LR

Alternate Name(s) Baking soda; bicarbonate of soda; sodium acid carbonate; sodium bicarbonate.

Description

White powder or crystalline lumps; cooling slightly alkaline taste. M.P. loses carbon dioxide at 270 °C.

Properties

Chemical Formula: NaHCO_3

Molecular Weight: 84.01

Product Code: SL001

CAS No. 144-55-8

General Information:

Insoluble in alcohol. Slowly decomposes in moist air. Incompatible with acids. Non combustible.

Hazard and Safety Data

UN Group: None Allocated

Class: None Allocated

UN Number: None Allocated

Hazchem code: None Allocated

CS MSDS Code: 1CH6E

Poison schedule: Not Scheduled

Emergency

Procedure Guide No.: N/A

Quality Specification

Assay: 99.0% min.

Specific Properties and Impurities [Typical levels]:

Solubility in Water	95.5 g/L (20 °C)
Specific Gravity	2.159
Melting Point	270 °C
Chloride (Cl)	≤ 0.015%
Heavy metals (as Pb)	≤ 0.005%
Ammonium (NH ₄)	≤ 0.002%
Arsenic (As)	≤ 0.001%
Iron (Fe)	≤ 0.002%

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