

5062 – SODIUM BICARBONATE (FOOD GRADE)

REF NO: TBL/QA/SS/F/5062	STANDARD SPECIFICATION FOR SODIUM BICARBONATE (FOOD GRADE)	Rev. No: 03
Issue No: 04		Review Date: 06/02/2025
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PRODUCT PROPERTIES

C.A.S Number	144-55-8
Chemical Formula	NaHCO ₃
Formula weight	84.01
Functional Uses	Alkali, leavening agent, buffer
Standard Packaging	50 kg

PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	Colourless, white, crystalline masses or crystalline powder
Solubility	Soluble in water; insoluble in ethanol
Test for sodium	Passes test
Test for carbonate	Passes test

CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
pH (1 in 100 soln)	8.0 - 8.6
Loss on drying (over silica gel, 4 h)	NMT – 0.25%
Water insoluble substances	Passes test
Ammonium salts	Passes test
Lead	NMT – 2mg/kg
Assay (after drying)	NLT – 99.0%

NOTE: Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.

