

TMB 067 – SODIUM BICARBONATE

REF NO: TBL/QA/SS/LC/TMB 067	STANDARD SPECIFICATION FOR SODIUM BICARBONATE	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	Sodium bicarbonate is used as a component of bovine embryo culture system during in vitro maturation, fertilization, and culture (IVMFC)
Standard Packaging	100 gm. & 500 gm.

PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	White or colorless crystalline powder.
Solubility	Freely soluble in water.

CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
pH (5% soln. at 25°C)	8.0 - 8.6
Chloride (Cl)	NMT - 0.015%
Sulphate (SO ₄)	NMT - 0.01%
Lead (Pb)	NMT - 0.001%
Iron (Fe)	NMT - 0.002%
DNases/ RNases	None Detected
Assay	NLT – 99.5%

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

