

TMB 069 – SODIUM CHLORIDE (Molecular Biology Grade)

REF NO: TBL/QA/SS/LC/TMB 069	STANDARD SPECIFICATION FOR SODIUM CHLORIDE (Molecular Biology Grade)	Rev. No: 03
Issue No: 04		Review Date: 06/02/2025
Issue Date: 07/02/2022		Product code: TMB 069

PRODUCT PROPERTIES

C.A.S Number	7647-14-5
Chemical Formula	NaCl
Formula weight	58.44
Functional Uses	Sodium Chloride is used in a wide variety of biochemical applications including creating density gradients, regulating biological functions, and as a diluent to increase ionic strength in buffers or culture media.
Standard Packaging	500 gm, 1 Kg, 5 Kg

PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	Crystal, Colorless or white

CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
pH (5% Soln. at 25°C)	5.0 – 8.0
Sulphate (SO ₄)	NMT – 0.001%
Iron (Fe)	NMT – 0.0001%
Heavy metal (Pb)	NMT – 0.0002%
Insoluble Matter	Passes Filter Test
DNases, RNases	None detected
Protease, Phosphate	None detected
Assay	NLT – 99.9%

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