

TMB 071 – SODIUM PHOSPHATE DIBASIC (Dihydrate)

REF NO: TBL/QA/SS/LC/TMB 071	STANDARD SPECIFICATION FOR SODIUM PHOSPHATE DIBASIC (Dihydrate)	Rev. No: 03
Issue No: 04		Review Date: 06/02/2025
Issue Date: 07/02/2022		Product code: TMB 071

PRODUCT PROPERTIES

C.A.S Number	1028-24-7
Chemical Formula	Na ₂ HPO ₄ ·2H ₂ O
Formula weight	177.99
Functional Uses	Sodium phosphate dibasic dihydrate has been used in the preparation of antifreeze solution to analyses the transduction pattern in the rat central nervous system (CNS) and in the preparation of sodium phosphate buffer.
Standard Packaging	500 gm. & 5 kg

PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	White to almost white hygroscopic crystals or powder or solid

CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
pH (5% Soln. at 25°C)	8.8 – 9.4
Chloride (Cl)	NMT – 0.001%
Iron (Fe)	NMT – 0.0005%
Sulphate (SO ₄)	NMT – 0.005%
DNases, RNases	None detected
Assay	NLT – 99.0%

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