

TMB 091 – BORAX POWDER, (Deca) (Sodium Tetraborate)

REF NO: TBL/QA/SS/LC/TMB 091	STANDARD SPECIFICATION FOR BORAX POWDER, (Deca) (Sodium Tetraborate)	Rev. No: 03
Issue No: 04		Review Date: 06/02/2025
Issue Date: 07/02/2022		Product code: TMB 091

PRODUCT PROPERTIES

C.A.S Number	1303-96-4
Chemical Formula	Na ₂ B ₄ O ₇ .10H ₂ O
Formula weight	381.57
Functional Uses	Sodium tetraborate decahydrate has been used in preparation of methylene blue solution for histological staining.
Standard Packaging	500 gm.

PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	A White crystalline powder.
Solubility	Solution is clear and colourless.

CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
pH(5% hot aqu soln.)	9.0 – 9.5
Chloride (Cl)	NMT – 0.005%
Sulphate (as SO ₄)	NMT – 0.0025%
Phosphate (PO ₄)	NMT – 0.001%
Heavy Metal (Pb)	NMT – 0.0005%
Iron (Fe)	NMT – 0.001%
Water	NMT – 1.0%
DNase/RNase/Protease	Not Detected

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

