

TMB 092 – BORIC ACID

REF NO: TBL/QA/SS/LC/TMB 092	STANDARD SPECIFICATION FOR BORIC ACID	Rev. No: 03
Issue No: 04		Review Date: 06/02/2025
Issue Date: 07/02/2022		Product code: TMB 092

PRODUCT PROPERTIES

C.A.S Number	10043-35-3
Chemical Formula	H ₂ BO ₃
Formula weight	61.83
Functional Uses	Boric acid has been used as a component of tris borate buffer for urea-polyacrylamide electrophoresis of RNA samples and also for agarose gel electrophoresis of DNA samples
Standard Packaging	500 gm. & 1 kg

PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	White or colorless Crystalline powder.

CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Loss on Drying	NMT – 0.005%
Sulphate (SO ₄)	NMT – 0.0005%
Heavy Metal (Pb)	NMT – 0.0005%
Arsenic (As)	NMT – 0.00005%
Chloride (Cl)	NMT – 0.0003%
Assay	NLT – 99.5%
DNases/ RNases	None Detected

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

