



Product Specifications

BORIC ACID

Catalog #	Size
IB70096	2.5Kg

Physical Specifications

CAS#	10043-35-3
Molecular Weight	61.83
Molecular Formula	H ₃ BO ₃
Purity	Min. 99.5%
Calcium	Max. 0.005%
Chloride	Max. 0.001%
Phosphate	Max. 0.001%
Sulfate	Max. 0.01%
Heavy Metals	Max. 0.001%

Molecular Biology Specifications

DNase assay	None Detected
RNase assay	None Detected
Protease assay	None Detected

Recommended Use

Boric Acid is an ingredient in Tris-borate buffer systems used in high voltage electrophoresis.

<u>Buffer</u>	<u>Concentrated Stock Solution (per liter)</u>
Tris-borate (TBE buffer)	5X: 54gm Tris base 27.5gm boric acid 20ml 0.M EDTA (pH 8.0)

Storage

Store at room temperature. Protect from moisture.

Warning

Irritant. Suspected Teratogen. Causes irritation to eyes, skin and mucous membranes. Avoid breathing dust. Do not take internally. Wash thoroughly with water after handling. See Material Safety Data Sheet for additional information.