

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: [www.sigmaaldrich.com](http://www.sigmaaldrich.com)

Email USA: [techserv@sial.com](mailto:techserv@sial.com)

Outside USA: [eurtechserv@sial.com](mailto:eurtechserv@sial.com)

## Product Specification

Product Name:

Boric acid – BioReagent, for molecular biology, suitable for cell culture, suitable for plant cell culture, ≥99.5%

**Product Number:** B6768  
**CAS Number:** 10043-35-3  
**MDL:** MFCD00011337  
**Formula:** H3BO3  
**Formula Weight:** 61.83 g/mol



TEST	Specification
Appearance (Color)	White
Appearance (Form)	Powder
Solubility (Color)	Colorless
Solubility (Turbidity)	Clear
40 mg/mL, H2O	
Iron (Fe)	≤ 5 ppm
By ICP	
Magnesium (Mg)	≤ 5 ppm
By ICP	
Heavy Metals (as Lead)	< = 10 ppm
DNAse, Exonuclease Detection	None Detected
RNAse Detection	None Detected
Protease by FITC-Casein	None Detected
Titration with NaOH	≥ 99.5 %
UV Absorbance 260nm	≤ 0.05
1M solution, H2O	
UV Absorbance 280nm	≤ 0.05
1M solution, H2O	
Plant Cell Culture Test	Pass
Cell Culture Test	Pass
Endotoxin Assay	≤ 1 EU/mg
Total Aerobic Count	≤ 50 CFU/g
per USP	

Specification: PRD.2.ZQ5.10000006404

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at [Sigma-Aldrich.com](http://Sigma-Aldrich.com). For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.