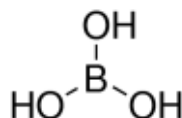


## Certificate of Analysis

Product Name:

**Boric acid - BioReagent**, for molecular biology, suitable for cell culture, suitable for plant cell culture,  $\geq 99.5\%$ 

**Product Number:** B6768  
**Batch Number:** BCCM7145  
**Brand:** SIGMA  
**CAS Number:** 10043-35-3  
**Formula:** H<sub>3</sub>BO<sub>3</sub>  
**Formula Weight:** 61,83 g/mol  
**Quality Release Date:** 14 FEB 2025



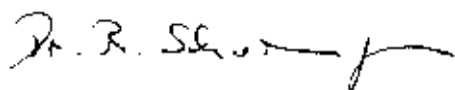
Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Powder or Crystals	Crystals
Titration with NaOH	$\geq 99.5\%$	100.4 %
Solubility (Color)	Colorless	Colorless
Solubility (Turbidity) 40mg/ml of Water	Clear	Clear
Trace Analysis	Corresponds to Requirements	Corresponds
(Additional Tests) Heavy Metals (as Lead) $\leq 10$ ppm		
Iron (Fe)	$\leq 5$ mg/kg	$< 5$ mg/kg
Magnesium (Mg)	$\leq 5$ mg/kg	$< 5$ mg/kg
Endotoxins	$\leq 1$ EU/mg	$< 1$ EU/mg
Extraneous Activities	None Detected	None Detected
Dnase, Rnase and Protease		
Cell Culture Testing	Pass	Pass
Plant Cell Culture Test	Pass	Pass
Appearance of solution	Corresponds to Requirements	Corresponds
(Clear Colorless) 1m Solution in H <sub>2</sub> O		
UV Absorbance 260nm	$\leq 0.05$	0.00
UV Absorbance 280nm	$\leq 0.05$	0.00
Note	Conforms	Conforms
Total Aerobic Count per USP $\leq 50$ cfu/g		

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.



## Certificate of Analysis

Product Number: B6768  
Batch Number: BCCM7145



Dr. Reinhold Schwenninger  
Quality Assurance  
Buchs, Switzerland CH

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