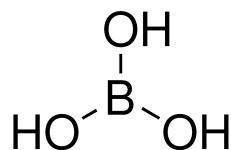


Certificate of Analysis

Product Name :	Boric acid 99.999% trace metals basis
Product Number :	202878-VAR
Batch Number :	0000454197
Source Batch :	0000437430
CAS Number :	10043-35-3
MDL Number :	MFCD00011337
Molecular Formula :	H ₃ BO ₃
Formula Weight :	61.83 g/mol
Quality Release Date :	12 May 2025



Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Crystalline Powder	Crystalline Powder
Infrared Spectrum	Conforms to Structure	Conforms
Titration with NaOH	≥ 98.0 %	100.5 %
ICP Major Analysis	Confirmed	Confirmed
Confirms Boron Component		
Purity	Meets Requirements	Meets Requirements
99.999% Based on Trace Metals Analysis		
Trace Metal Analysis	≤ 15.0 ppm	12.0 ppm
Aluminum (Al)		1.0 ppm
Calcium (Ca)		3.3 ppm
Cadmium (Cd)		0.3 ppm
Iron (Fe)		1.4 ppm
Potassium (K)		0.2 ppm
Magnesium (Mg)		0.1 ppm
Palladium (Pd)		4.7 ppm
Antimony (Sb)		0.6 ppm
Tungsten (W)		0.4 ppm

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. For further inquiries, please contact Technical Service. Purchase must determine the suitability of the product for its particular use. See reverse side of website or packing slip for additional terms and conditions of sale

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Product 202878-VAR
Batch 0000454197



Eric Burton, Manager

Site

Urbana, Illinois

US

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