

## Certificate of Analysis

Date of Testing: 2023-10-20 16:29:14  
Date of Next Testing: 2027-10-19 16:29:14  
Product Name: **Tetrafluoroboric acid**  
CAS Number: 16872-11-0  
Specifications & Purity: 50 wt. % in H<sub>2</sub>O  
Lot #: J2313521  
SKU #: **T110577**  
Analysis: **281547**

Parameter	Limit Values	Result
Lead(Pb)	0-500 (ppm)	12.50 ppm
Chloride (Cl <sup>-</sup> )	0-50 (ppm)	2.59 ppm
Sulfate(SO <sub>4</sub> <sup>2-</sup> )	0-200 (ppm)	3.70 ppm
Density (20°C)	1.37-1.42	1.39
Heavy metal (as Pb)	0-0.005 (%)	0.00 %
Free borate (HBO <sub>3</sub> )	0-2.5 (%)	1.06 %
Iron(Fe)	0-50 (ppm)	1.17 ppm
Hexafluorosilic acid (H <sub>2</sub> SiF <sub>6</sub> )	0-200 (ppm)	2.83 ppm
Purity (Titration by NaOH)	48-51 (%)	50.98 %
Appearance (T110577)	Colorless to light yellow liquid	Colorless to light yellow liquid



John Su  
QA & QC Manager