

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-12-13 16:29:48  
Date of Next Testing: 2027-12-13 16:29:48  
Product Name: **Sodium tetraborate pentahydrate**  
CAS Number: 12179-04-3  
Specifications & Purity: 48.6% to 49.3%(Calculated as B<sub>2</sub>O<sub>3</sub>)  
Lot #: L2411377  
SKU #: **S741876**  
Version: **1**  
Analysis #: **429463**  
Storage Temperature: Room temperature

Parameter	Limit Values	Result
Sulfate(SO <sub>4</sub> )	0-0.01 (%)	0.00490 %
Insoluble matter in H <sub>2</sub> O	0-0.02 (%)	0.00 %
Chloride (Cl <sup>-</sup> )	0-0.012 (%)	0.01 %
Iron(Fe)	0-0.001 (%)	0.00 %
B <sub>2</sub> O <sub>3</sub>	48.6-49.3 (%)	48.90000 %
NA <sub>2</sub> B <sub>4</sub> O <sub>7</sub> ·5H <sub>2</sub> O	101-103 (%)	102.20000 %
Na <sub>2</sub> O	21.6-21.9 (%)	21.80 %
ICP:Confirms Na component	Confirmed	Confirmed
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager