

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-05-25 14:53:38  
Date of Next Testing: 2027-05-24 14:53:38  
Product Name: ( $\pm$ )-Sodium 3-hydroxybutyrate  
CAS Number: 150-83-4  
Specifications & Purity: 98%  
Lot #: E2317786  
SKU #: X131756  
**Analysis: 181118**  
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Purity(Titration by HClO <sub>4</sub> )(anhydrous)	97.5-107.5 (%)	97.79%
Water by Karl Fischer	0-1 (%)	0.62%
Appearance (X131756)	white powder	White powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H <sub>2</sub> O , very faint turbidity	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager