

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-11-01 15:00:09
 Date of Next Testing: 2025-10-31 15:00:09
 Product Name: **Betaine**
 CAS Number: 107-43-7
 Specifications & Purity: Moligand™, ≥98%
 Lot #: J2227077
 SKU #: **B105554**
 Version: **1**
 Analysis #: **141408**
 Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Nitrogen by Elemental Analysis	11.5-12.5 (%)	11.84400 %
Carbon by Elemental Analysis	50.2-52.3 (%)	50.46900 %
Purity(Titration by HClO ₄)(calcd.on anh.substance)	97.5-102.5 (%)	99.21000 %
Heavy metals	0-0.001 (%)	0.00000 %
Water by Karl Fischer	0-2 (%)	0.97650 %
(As)Arsenic	0-0.0002 (%)	0.00000 %
Appearance (B105554)	White to Off-White Powder	White to Off-White Powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility,Colorless to faint yellow,clear(50 mg/mL, H ₂ O)	pass	Pass



John Su
QA & QC Manager