

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-07-11 17:41:30

Date of Next Testing: 2026-07-10 17:41:30

Product Name: **Betaine**

CAS Number: 107-43-7

Specifications & Purity: Moligand™, ≥98%

Lot #: F23161099

SKU #: **B105554**

Version: **1**

Analysis #: **211355**

Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Nitrogen by Elemental Analysis	11.5-12.5 (%)	11.51800 %
Purity(Titration by HClO ₄)(calcd.on anh.substance)	97.5-102.5 (%)	100.32000 %
Heavy metals	0-0.001 (%)	0.00000 %
Water by Karl Fischer	0-2 (%)	0.12050 %
(As)Arsenic	0-0.0002 (%)	0.00000 %
Carbon by Elemental Analysis	50.2-52.3 (%)	50.29000 %
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