

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-04-24 11:11:59

Date of Next Testing: 2026-04-23 11:11:59

Product Name: **Hemicholinium-3**

CAS Number: 312-45-8

Specifications & Purity: Moligand™, ≥95%

Lot #: D2313121

SKU #: **H346775**

Version: **1**

Analysis #: **193722**

Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Purity(HPLC area)	95-100 (%)	99.00000 %
Water by Karl Fischer	0-10 (%)	6.90000 %
Carbon by Elemental Analysis(anhydrous)	47.4-53.0 (%)	50.60000 %
Nitrogen by Elemental Analysis (anhydrous)	4.4-5.3 (%)	4.70000 %
Appearance(H346775)	White to Off-White	White to off-white
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure
Carbon NMR Spectrum	conforms to structure	Conforms to Structure
solubility(Colorless to Faint Yellow Clear to Slightly Hazy(50 mg/ml Water))	Pass	Pass



John Su
QA & QC Manager