

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-03-08 10:28:38

Date of Next Testing: 2027-03-07 10:28:38

Product Name: **H-Met-OtBu-HCl**

CAS Number: 91183-71-0

Specifications & Purity: $\geq 98\%$

Lot #: G1517309

SKU #: **M116995**

Version: **0**

Analysis #: **195428**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D(c=1 \text{ in DMF})}$	7.4-11.4 ($^{\circ}$)	8.10000 $^{\circ}$
Oxygen by Elemental Analysis	12.8-13.4 (%)	13.10000 %
Carbon by Elemental Analysis	43.6-44.9 (%)	44.80000 %
Purity(HPLC)	98-100 (%)	98.11000 %
Appearance (M116995)	White to Off-White Powder or Solid or Chunks	White to Off-White Powder or Solid or Chunks
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager