

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-08-14 10:17:34

Date of Next Testing: 2027-08-13 10:17:34

Product Name: **N-Acetyl-L-histidine Monohydrate**

CAS Number: 39145-52-3

Specifications & Purity: $\geq 99\%$

Lot #: L1510053

SKU #: **A105964**

Version: **0**

Analysis #: **263474**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Melting point	155-170 (°C)	156.10000 °C
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in H}_2\text{O})$	40-47 (°)	42.00000 °
Purity(as dry basis) (HPLC)	99-100 (%)	99.12000 %
Water by Karl Fischer	7-10 (%)	8.57000 %
Appearance (A105964)	White or off-white powder	White or off-white powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O	Almost transparency	almost transparency



John Su
QA & QC Manager