

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-08-08 17:39:31
 Date of Next Testing: 2029-08-07 17:39:31
 Product Name: **N,N'-Dicyclohexyl-1,2-ethanediamine Hydrate**
 CAS Number: 4013-98-3(anhydrous)
 Specifications & Purity: $\geq 98\%$ (GC)(T)
 Lot #: H2504511
 SKU #: **N159343**
 Version: **1**
 Analysis #: **494451**
 Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Purity(GC)	98-100 (%)	100.00000 %
Purity(Neutralization titration)(calcd.on anh.substance)	97.5-102.5 (%)	100.00000 %
Water by Karl Fischer	3.5-10 (%)	7.50000 %
Appearance(N159343)	White to Almost white powder to crystal	White to Almost white powder to crystal
NMR Spectrum 1H	Conforms to structure	Conforms to Structure
GC-MS for identification	Conforms	Conforms



John Su
QA & QC Manager