

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-11-17 14:58:15

Date of Next Testing: 2027-11-16 14:58:15

Product Name: **N-Carbobenzoxy-DL-aspartic Acid**

CAS Number: 4515-21-3

Specifications & Purity: $\geq 95\%$ (T)

Lot #: K2313517

SKU #: **N159601**

Version: **1**

Analysis #: **284908**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D(c=2 \text{ in AcOH})}$	-1~1 ($^{\circ}$)	0.01600 $^{\circ}$
Purity(Neutralization titration)	95-100 (%)	99.67000 %
Melting point	113-117 ($^{\circ}\text{C}$)	116.83000 $^{\circ}\text{C}$
Appearance(N159601)	White to Almost white powder to crystal	White to Almost white powder to crystal
NMR Spectrum 1H	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager