

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-08-23 09:53:40
 Date of Next Testing: 2026-08-23 09:53:40
 Product Name: **2,4-Dichloro-L-phenylalanine**
 CAS Number: 111119-36-9
 Specifications & Purity: $\geq 98\%$
 Lot #: K2208345
 SKU #: **D132444**
 Version: **0**
 Analysis #: **403307**
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Carbon by Elemental Analysis	44.7-46.6 (%)	45.80000 %
Specific Rotation $[\alpha]_{20/D(c=1 \text{ in } 0.5N \text{ NaOH})}$	25-33 ($^{\circ}$)	29.70000 $^{\circ}$
Purity	98-100 (%)	99.90000 %
Appearance (D132444)	white to grey powder or crystals and/or chunks	white to grey powder or crystals and/or chunks
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
TLC Analysis	One spot	One spot



John Su
QA & QC Manager