

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-12-05 11:45:36
 Date of Next Testing: 2028-12-04 11:45:36
 Product Name: **N-(2,4-Dinitrophenyl)-L-alanine**
 CAS Number: 1655-52-3
 Specifications & Purity: $\geq 98\%$
 Lot #: D1713070
 SKU #: **D100644**
 Version: **0**
 Analysis #: **443515**
 Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Purity(Neutralization titration)	98-102 (%)	98.98600 %
Specific Rotation $[\alpha]_{20/D(c=0.5 \text{ in } 1\text{mol/L NaOH})}$	140-147 ($^{\circ}$)	146.89000 $^{\circ}$
Purity(HPLC)	98-100 (%)	99.85600 %
Melting point	177-181 ($^{\circ}\text{C}$)	179.90800 $^{\circ}\text{C}$
Appearance (D100644)	Faint Yellow to Yellow Powder or crystals	Faint Yellow to Yellow Powder or crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in MeOH	almost transparency	almost transparency



John Su
QA & QC Manager