

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-08-09 10:22:33

Date of Next Testing: 2027-08-09 10:22:33

Product Name: **L-Citrulline DL-Malate (1:1)**

CAS Number: 54940-97-5

Specifications & Purity: $\geq 98\%$

Lot #: J2119179

SKU #: **L303962**

Version: **1**

Analysis #: **397219**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
L-Citrulline	55.5-57.5 (%)	56.10000 %
DL-Malate	42.5-47 (%)	43.50000 %
Assay(HPLC)	98-100 (%)	98.80000 %
specific rotation $[\alpha]_{20/D}$ (8g/100ml, 6mol/L HCl)	13-15 (°)	13.40000 °
Appearance (L303962)	white powder or crystal	White powder or crystal
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager