

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-04-26 17:32:14
 Date of Next Testing: 2026-04-25 17:32:14
 Product Name: **L-Citrulline DL-Malate (1:1)**
 CAS Number: 54940-97-5
 Specifications & Purity: $\geq 98\%$
 Lot #: D2318194
 SKU #: **L303962**
 Version: **1**
 Analysis #: **023445**
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
L-Citrulline	55.5-57.5 (%)	56.12000 %
DL-Malate	42.5-47 (%)	43.57000 %
Assay(HPLC)	98-100 (%)	98.81800 %
specific rotation $[\alpha]_{20/D}$ (8g/100ml, 6mol/L HCl)	13-15 (°)	13.40400 °
Appearance (L303962)	white powder or crystal	White powder or crystal
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager