

Certificate of Analysis

Date of Testing: 2023-02-27 09:49:35

Date of Next Testing: 2027-02-26 09:49:35

Product Name: (R)-(-)- α -[[[4-Ethyl-2,3-dioxo-1-piperazinyl)carbonyl]amino]benzeneacetic Acid

CAS Number: 63422-71-9

Specifications & Purity: 98%

Lot #: B2324760

SKU #: R160831

Analysis: 148510

Storage Temperature: Store at -20°C, Argon charged

Parameter	Limit Values	Result
Purity(HPLC area)	98-100 (%)	99.13 %
Water by Karl Fischer	0-5 (%)	4.92 %
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in MeOH})$	-79~-69 (°)	-69.00 °
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager