

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

# Certificate of Analysis

Date of Testing: 2024-09-11 11:09:50

Date of Next Testing: 2026-09-11 11:09:50

Product Name: (R)-(-)- $\alpha$ -[[[4-Ethyl-2,3-dioxo-1-piperazinyl) carbonyl]amino]-4-hydroxybenzeneacetic acid

CAS Number: 62893-24-7

Specifications & Purity:  $\geq 98\%$ (HPLC)

Lot #: E1705105

SKU #: I133960

Version: 0

Analysis #: 409813

Storage Temperature: Room temperature

| Parameter                                                | Limit Values             | Result                   |
|----------------------------------------------------------|--------------------------|--------------------------|
| Purity(HPLC)                                             | 98-100 (%)               | 99.40000 %               |
| Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in MeOH})$ | -90--80 ( $^{\circ}$ )   | -88.40000 $^{\circ}$     |
| Appearance (I133960)                                     | White Powder or Crystals | White Powder or Crystals |
| Proton NMR spectrum                                      | Conforms to Structure    | Conforms to Structure    |



John Su  
QA & QC Manager