

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-09-08 16:43:48

Date of Next Testing: 2026-09-07 16:43:48

Product Name: **(S)-(+)-2-Phenylpropionic acid**

CAS Number: 7782-24-3

Specifications & Purity: $\geq 98\%$

Lot #: I2203054

SKU #: **B102422**

Version: **2**

Analysis #: **100918**

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

Parameter	Limit Values	Result
Optical purity(ee)	98-100 (%)	99.30000 %
Crystallization point	27-30 (°C)	28.60000 °C
Purity(Nonaqueous Titration)	97.5-102.5 (%)	99.97000 %
Purity(GC)	98-100 (%)	98.40300 %
Specific Rotation $[\alpha]_{20/D}(c=3 \text{ in EtOH})$	75-85 (°)	79.63700 °
Appearance (B102422)	White or Colorless to Light yellow solid or liquid	White or colorless to light yellow solid or liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager