

Certificate of Analysis

Date of Testing: 2024-07-02 15:35:24

Date of Next Testing: 2028-07-01 15:35:24

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

CAS Number: 7782-24-3

Specifications & Purity: $\geq 98\%$

Lot #: F2425098

SKU #: **B102422**

Version: **2**

Analysis #: **338878**

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

Parameter	Limit Values	Result
Purity(Nonaqueous Titration)	97.5-102.5 (%)	99.75 %
Purity(GC)	98-100 (%)	98.01 %
Specific Rotation $[\alpha]_{20/D}(c=3 \text{ in EtOH})$	75-85 ($^{\circ}$)	78.10 $^{\circ}$
Optical purity(ee)	98-100 (%)	98.10 %
Crystallization point	27-30 ($^{\circ}\text{C}$)	27.20 $^{\circ}\text{C}$
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Appearance (B102422)	White or Colorless to Light yellow solid or liquid	White or colorless to light yellow solid or liquid



John Su
QA & QC Manager