

Certificate of Analysis

Date of Testing: 2024-12-20 18:56:30

Date of Next Testing: 2027-12-20 18:56:30

Product Name: (S)-(+)-4-Phenyl-2-butanol

CAS Number: 22148-86-3

Specifications & Purity: $\geq 98\%$

Lot #: L2409450

SKU #: I168710

Version: 0

Analysis #: 370510

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(GC)	98-100 (%)	98.15 %
Optical purity(ee)	98-100 (%)	98.02 %
Refractive index $n_{20/D}$	1.515-1.519	1.52
Appearance (I168710)	Colorless liquid	Colorless liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager