

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-09-16 13:36:24
 Date of Next Testing: 2029-09-15 13:36:24
 Product Name: **(S)-(+)-Ibuprofen**
 CAS Number: 51146-56-6
 Specifications & Purity: $\geq 98\%$ (GC)
 Lot #: L2104167
 SKU #: **S140886**
 Version: **0**
 Analysis #: **571809**
 Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D}(c=2 \text{ in EtOH})$	55-63 (°)	57.20000 °
Purity(GC)	98-100 (%)	98.10000 %
Melting point	52-55 (°C)	52.90000 °C
Purity (Titration by NaOH)	97.5-102.5 (%)	99.35000 %
Appearance (S140886)	White powder	White powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in MeOH	almost transparency	almost transparency



John Su
QA & QC Manager