

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-10-20 13:33:40  
Date of Next Testing: 2027-10-19 13:33:40  
Product Name: **(S)-(+)-Ibuprofen**  
CAS Number: 51146-56-6  
Specifications & Purity: >98.0%(GC)  
Lot #: J2317128  
SKU #: **S140886**  
**Analysis:** **049558**  
Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Specific Rotation [α] <sub>20</sub> /D(c=2 in EtOH)	55-63 (°)	57.25°
Purity(GC)	98-100 (%)	98.16%
Melting point	52-55 (°C)	52.92000 °C
Purity (Titration by NaOH)	97.5-102.5 (%)	99.50%
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