

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-01-22 10:15:13

Date of Next Testing: 2028-01-21 10:15:13

Product Name: **(S)-(+)-Ibuprofen**

CAS Number: 51146-56-6

Specifications &amp; Purity: &gt;98.0%(GC)

Lot #: E1625043

SKU # **S140886****Analysis: 316427**

Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Specific Rotation [α] <sub>20</sub> /D(c=2 in EtOH)	55-63 (°)	58.26°
Purity(GC)	98-100 (%)	98.70%
Melting point	52-55 (°C)	53.17000 °C
Purity (Titration by NaOH)	97.5-102.5 (%)	98.90%
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