

Certificate of Analysis

Date of Testing: 2024-07-10 14:20:39
Date of Next Testing: 2028-07-09 14:20:39
Product Name: **(S)-(+)-Ibuprofen**
CAS Number: 51146-56-6
Specifications & Purity: >98.0%(GC)
Lot #: I2023088
SKU #: **S140886**
Version: **0**
Analysis #: **384695**
Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Specific Rotation [α] ₂₀ /D(c=2 in EtOH)	55-63 (°)	56.07°
Purity(GC)	98-100 (%)	99.30%
Melting point	52-55 (°C)	53.10000 °C
Purity (Titration by NaOH)	97.5-102.5 (%)	98.01%
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