



*The Power to Question*

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-200612  
Lot Number: SAMPLE  
Product Name: (S)-Ibuprofen  
CAS Number: 51146-56-6  
Molecular Formula:  $C_{13}H_{18}O_2$   
Molecular Weight: 206.3

| Test                                  | Specification                    | Result       |
|---------------------------------------|----------------------------------|--------------|
| Purity (Neutralization titration)     | $\geq 98.0\%$                    | 98.9%        |
| Melting Point                         | 52 – 55°C                        | 52.5°C       |
| Solubility                            | Very faint turbidity in Methanol | Transparency |
| Specific Rotation ( $\alpha_{20/D}$ ) | +58.0° to +60.0°                 | +58.2°       |

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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