



# CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-229208  
Lot Number: SAMPLE  
Product Name: (S)-(-)-N,N-Dimethyl-1-(1-naphthyl)ethylamine  
CAS Number: 121045-73-6  
Molecular Formula:  $C_{15}H_{19}N$   
Molecular Weight: 199.29

| Test                               | Specification                            | Result                          |
|------------------------------------|--|---------------------------------|
| Appearance                         | Colorless to brown liquid                | Light orange liquid             |
| Identification (1H-NMR)            | Consistent with structure                | Complies                        |
| Identification (Infrared Spectrum) | Consistent with structure                | Complies                        |
| Purity (GC)                        | $\geq 96.5\%$                            | 99.1%                           |
| Optical Rotation                   | $-43(\pm 2)^{\circ}$ (C = 2 %, Methanol) | $-42.5^{\circ}$ (C = 2%, ME OH) |
| Refractive Index                   |  | 1.5915                          |
| Carbon Content                     |  | 86.58%                          |
| Hydrogen Content                   |  | 8.91%                           |
| Nitrogen Content                   |  | 6.99%                           |

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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