

## Certificate of Analysis

Date of Testing: 2023-09-21 10:22:50

Date of Next Testing: 2027-09-20 10:22:50

Product Name: (3R,4R)-N,4-Dimethyl-1-benzyl-3-piperidinamine

CAS Number: 477600-70-7

Specifications & Purity: 98%

Lot #: I2305331

SKU # D140084

Analysis: 149802

Storage Temperature: Store at 2-8°C, Protected from light, Argon charged

| Parameter                                                   | Limit Values                     | Result                           |
|-------------------------------------------------------------|----------------------------------|----------------------------------|
| Purity(HPLC area)                                           | 98-100 (%)                       | 98.11 %                          |
| Specific rotation $[\alpha]_{25/D}(C=0.88, \text{ethanol})$ | 28-31 (°)                        | 30.51600°                        |
| Proton NMR spectrum                                         | Conforms to Structure            | Conforms to Structure            |
| Appearance(D140084)                                         | Colorless to light yellow liquid | Colorless to light yellow liquid |



John Su  
QA & QC Manager