

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-06-10 16:21:58

Date of Next Testing: 2027-06-09 16:21:58

Product Name: **(R)-(-)-1-Cbz-3-pyrrolidinol**

CAS Number: 100858-33-1

Specifications & Purity: 97%

Lot #: F2303698

SKU #: **R115475**

**Analysis:** **216626**

Storage Temperature: Argon charged

| Parameter                                                         | Limit Values          | Result                |
|-------------------------------------------------------------------|-----------------------|-----------------------|
| Purity(GC)                                                        | 97-100 (%)            | 97.66 %               |
| Specific Rotation [α] <sub>20/D</sub> (c=1 in CHCL <sub>3</sub> ) | -25--21 (°)           | -22.70 °              |
| Melting point                                                     | 74-79 (°C)            | 78.59000 °C           |
| Appearance (R115475)                                              | White to brown powder | White to brown powder |
| Infrared spectrum                                                 | Conforms to Structure | Conforms to Structure |

A handwritten signature in black ink that reads "John Su".

John Su  
QA & QC Manager