

## Certificate of Analysis

Date of Testing: 2023-08-21 13:53:34  
Date of Next Testing: 2027-08-20 13:53:34  
Product Name: **(R)-1-Acetyl-3-pyrrolidinol**  
CAS Number: 916733-17-0  
Specifications & Purity:  $\geq 98\%$   
Lot #: H2315531  
SKU #: **R160915**  
Version: **2**  
Analysis #: **248761**

| Parameter                                                | Limit Values                            | Result                                  |
|----------------------------------------------------------|-----------------------------------------|-----------------------------------------|
| Purity(HPLC area)                                        | 98-100 (%)                              | 99.64 %                                 |
| Specific Rotation $[\alpha]_{20/D}(c=3 \text{ in MeOH})$ | -45--39 (°)                             | -40.34 °                                |
| Appearance(R160915)                                      | White to Almost white powder to crystal | White to Almost white powder to crystal |
| LC-MS for identification                                 | Conforms                                | Conforms                                |
| NMR Spectrum 1H                                          | Conforms to Structure                   | Conforms to Structure                   |



John Su  
QA & QC Manager