

## Certificate of Analysis

Date of Testing: 2023-03-21 06:37:35

Date of Next Testing: 2027-03-20 06:37:35

Product Name: **N-Acetyl-L-serine**

CAS Number: 16354-58-8

Specifications & Purity:  $\geq 97\%$

Lot #: C23161096

SKU #: **N181909**

Version: **2**

Analysis #: **201704**

Storage Temperature: Store at -20°C, Argon charged

| Parameter                                                       | Limit Values                         | Result                               |
|-----------------------------------------------------------------|--------------------------------------|--------------------------------------|
| Purity(HPLC)                                                    | 97-100 (%)                           | 99.43900 %                           |
| Specific Rotation $[\alpha]_{20/D}(c=5 \text{ in H}_2\text{O})$ | 5.7-7.3 (°)                          | 6.94°                                |
| Proton NMR spectrum                                             | Conforms to Structure                | Conforms to Structure                |
| Appearance(N181909)                                             | Off-White to Beige Low Melting Solid | Off-White to Beige Low Melting Solid |

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

John Su  
QA & QC Manager