

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-07-14 11:13:59

Date of Next Testing: 2028-07-13 11:13:59

Product Name: **Surfactin(mixture of isomers)**

CAS Number: 252023-70-4

Specifications & Purity: Moligand™, ≥95%, mixture of isomers

Lot #: G2504577

SKU #: **S329585**

Version: **3**

**Analysis #:** **521582**

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

| Parameter                                  | Limit Values                                          | Result                                                |
|--------------------------------------------|-------------------------------------------------------|-------------------------------------------------------|
| Purity(with Total Nitrogen)<br>(anhydrous) | 95-100 (%)                                            | 97.75000 %                                            |
| Appearance(S329585)                        | White to Off-White to faint yellow powder<br>or Solid | White to Off-White to faint yellow powder<br>or Solid |
| Proton NMR spectrum                        | Conforms to structure                                 | Conforms to Structure                                 |



John Su  
QA & QC Manager