

Certificate of Analysis

Date of Testing: 2025-08-15 10:22:50

Date of Next Testing: 2028-08-14 10:22:50

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

CAS Number: 252023-70-4

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

Lot #: J2222573

SKU #: **S329585**

Version: **3**

Analysis #: **554063**

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

Parameter	Limit Values	Result
Purity(with Total Nitrogen) (anhydrous)	95-100 (%)	95.15 %
Appearance(S329585)	White to Off-White to faint yellow powder or Solid	White to Off-White to faint yellow powder or Solid
Proton NMR spectrum	Conforms to structure	Conforms to Structure

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

John Su
QA & QC Manager