

Certificate of Analysis

Date of Testing: 2022-11-22 16:16:49
Date of Next Testing: 2026-11-21 16:16:49
Product Name: **Undecyl β -D-maltoside**
CAS Number: 253678-67-0
Specifications & Purity: 99%
Lot #: K2212709
SKU #: **U124542**
Analysis: 114368
Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D}(c=2 \text{ in H}_2\text{O})$	48-50 (°)	49.17°
Purity(HPLC)	98-100 (%)	99.56000%
CMC(H ₂ O)(0.029%)	0.49-0.69 (mmol/L)	0.56 mmol/L
alpha (HPLC)	0-5 (%)	3.83%
undecanol(HPLC)	0-0.05 (%)	0.04%
Conductance(10% solution)	0-100 (μ S)	68.76 μ S
PH(1% in Water)	4-9	4.63
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O(20°C , \geq 20%)	pass	Pass



John Su
QA & QC Manager