



# CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-255628  
Lot Number: SAMPLE  
Product Name: Surfactin  
CAS Number: 24730-31-2  
Molecular Formula:  $C_{53}H_{93}N_7O_{13}$   
Molecular Weight: 1036.34  
Native Source: *Bacillus subtilis*

Test	Specification	Result
Appearance	White to faint yellow powder	White powder
Purity (HPLC)	$\geq 98.0\%$	99.5%
Purity (TLC)	$\geq 98.0\%$	99.0%
Solubility	Clear, colorless to faint yellow solution at 9.80 - 10.20 mg/ml in ethanol	Clear, colorless solution at 10.00 mg/ml in ethanol
Carbon Content	60.42% - 62.42% (anhydrous)	61.11%
Nitrogen Content	8.96% - 9.96% (anhydrous)	9.06%
Water Content (KF)	$\geq 0.00\%$	1.03%

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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