



# CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-203159  
Lot Number: SAMPLE  
Product Name: NF 449  
CAS Number: 389142-38-5  
Molecular Formula:  $C_{41}H_{24}N_6O_{29}S_8 \cdot 8Na$   
Molecular Weight: 1505.1

Test	Specification	Result
Appearance	White to off-white solid	Off-white solid
Microanalysis	Elemental analysis within 0.4 of expected result for each element	Complies
Identification (NMR)	Confirms structure and shows <1% of any other impurity	Complies
Identification (Mass Spectrometry)	Electrospray negative analysis shows mass ions corresponding to $[M-2Na]^{2-}$ , $[M-3Na]^{3-}$ , $[M-4Na]^{4-}$ , and $[M-5Na]^{5-}$	Mass ions: 729.2, 478.8, 353.4 and 278.2
Purity (HPLC)	> 95% by RP analysis	> 97%
Solubility	Soluble in water to 50 mM	Complies

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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