



# CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-337896  
Lot Number: SAMPLE  
Product Name: Meropenem with sodium carbonate  
CAS Number: 96036-03-2 (free acid)  
Molecular Formula:  $C_{17}H_{25}N_3O_5S \cdot xNa_2CO_3$   
Molecular Weight: 383.46 (free acid)

Test	Specification	Result
Appearance	White or off-yellow crystalline powder	Light yellow powder
Purity (UHPLC)		> 99.5%
Bulk Density	0.25 - 0.50 g/ml	0.30 g/ml
pH	7.3 - 8.3	8.1
Loss on Drying	9.0% - 12.0%	10.2%
Acetone	$\leq 500$ ppm	162 ppm
Sodium	6.2 - 7.6%	Complies
Bacterial Endotoxins	$\leq 0.125$ Eu/mg	$\leq 0.125$ Eu/mg
Sterility	Consistent with requirements	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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