



# CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-220090  
Lot Number: SAMPLE  
Product Name: Salmeterol, 1-Hydroxy-2-naphthoate  
CAS Number: 94749-08-3  
Molecular Formula:  $C_{25}H_{37}NO_4 \cdot C_{11}H_8O_3$   
Molecular Weight: 603.75

Test	Specification	Result
Appearance	White or almost-white crystalline powder	Complies
Assay (Dried Basis)	98.0 - 101.0%	99.3%
Identification ( $^1H$ -NMR)	Consistent with structure	Complies
Identification (Infrared Spectrum)	Consistent with standards	Complies
Purity (HPLC)	$\geq 97\%$ at 225 nm bandwidth 50 nm	99%
Residue on Ignition	$< 0.1\%$	0.05%
Related Substances	Impurity D $< 0.3\%$ Impurity A $< 0.2\%$ Impurity F $< 0.2\%$ Impurity G $< 0.2\%$ Impurity B $< 0.1\%$ Impurity C $< 0.1\%$ Impurity E $< 0.1\%$ Other impurities $< 0.1\%$ Total impurities $< 0.9\%$	N.D. 0.01% 0.16% N.D. N.D. N.D. N.D. 0.03% 0.24%
Water Content	$< 0.5\%$	0.35%

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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