



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-203050  
Lot Number: SAMPLE  
Product Name: Formoterol Fumarate  
CAS Number: 43229-80-7  
Molecular Formula:  $(C_{13}H_{24}N_2O_4)_2 \cdot C_4H_4O_4 \cdot 2H_2O$   
Molecular Weight: 840.9

Test	Specification	Result
Appearance	White or almost white or slightly yellow powder	Almost white powder
Identification (Infrared Spectrum)	Complies with structure	Complies
pH	5.5 - 6.5	5.70
Solubility	Slightly soluble in water, soluble in methanol, slightly soluble in 2-propanol, practically insoluble in acetonitrile	Slightly soluble in water
Optical Rotation	-0.1 ° - +0.1°	+0.05°
Related Substances (TLC)	Impurity A: ≤ 0.3% Impurity B: ≤ 0.2% Impurity C: ≤ 0.2% Impurity D: ≤ 0.2% Impurity F: ≤ 0.2% Impurity E: ≤ 0.1%	Not Detected Not Detected Not Detected Not Detected Not Detected Not Detected

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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