



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-224167A
Lot Number: SAMPLE
Product Name: NG, NG-Dimethyl-L-arginine di(p-hydroxyazobenzene-p'-sulfonate)
CAS Number:
Molecular Formula: $C_8H_{18}N_4O_2 \cdot 2C_{12}H_{10}N_2O_4S$
Molecular Weight: 758.8

Test	Specification	Result
Appearance	Orange powder	Complies
TLC	2 single spots Detection: Ninhydrin	Complies
Melting Point	208 - 215 °C	209 - 210 °C
Solubility	25 mg in 1 ml methanol completely soluble	Clear orange colored solution
Optical Rotation	$[\alpha]_D^{21} = +5.0^\circ \pm 2.0^\circ$ c=3.3% in methanol	+ 6.5°
Carbon Content	49.48%	49.81%
Hydrogen Content	5.19%	5.15%
Nitrogen Content	14.42%	14.46%
Sulfur Content	8.25%	8.55%

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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