



INDOFINE Chemical Company, Inc.

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Certificate of Analysis

Catalog Number	04-291
Product Name	D-Arginine D-Arg
Lot Number	QVF0211
CAS Registry Number	157-06-2
Molecular Formula	C ₆ H ₁₄ N ₄ O ₂
Molecular Weight	174.2
Melting Point	226°C (dec)
Assay	100.1%
Solubility in Water	Clear & colorless (c=5)
Specific Rotation (α^{20}_D)	-27.1° (c=8, 6N-HCl)
Loss on Drying	0.07%
Residue on Ignition (as sulfate)	0.01%
Chloride (Cl)	<0.05%
Sulfate (SO₄)	<0.03%
Heavy Metals	<10ppm
Iron (Fe)	<10ppm
Ammonium (NH₄)	0.02%
Arsenic (As)	<1ppm
Other Amino Acids	Not detected by T.L.C.(The spotted amount, 20 μ g)