

Chem-Impex International, Inc.

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Certificate of Analysis

Catalogue Number	02133
Product	<i>N</i> ^α - <i>Z</i> - <i>N</i> ^ω -nitro-L-arginine
Lot Number	000424-181030-11110 Z-L-Arg(NO ₂)-OH
CAS Number	2304-98-5
Molecular Formula	C ₁₄ H ₁₉ N ₅ O ₆
Molecular Weight	353.3

Appearance	White powder
Solubility	Clear solution (0.3 g in 2 ml DMF)
Melting Point	145.6 - 148.1 °C
Water Content (Karl Fisher)	0.14%
Optical Rotation	[α] _D ²⁰ = - 4.4 ° (C=3 in DMF)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.46% (50°C, 2h)
¹H NMR	Conforms to structure
Purity by HPLC	99.03%
Storage	Store at 0-8°C

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Remarks

See material safety data sheet for additional information

For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier

A handwritten signature in black ink, appearing to read 'Bala Kumar', with a stylized flourish at the end.

Bala Kumar
Quality Control Manager