

Chem-Impex International, Inc.

Tel: (630) 766-2112

E-mail: sales@chemimpex.com

Shipping and Correspondence:

935 Dillon Drive

Wood Dale, IL 60191

Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191

Certificate of Analysis

Catalogue Number	03026
Lot Number	000424-170227-13056
Product	<i>N</i>^ω-Nitro-L-arginine methyl ester hydrochloride L-Arg(NO ₂)-OMe•HCl
CAS Number	51298-62-5
Molecular Formula	C ₇ H ₁₅ N ₅ O ₄ •HCl
Molecular Weight	269.7

Appearance	White powder
Solubility	Clear solution (0.3 g in 5 mL Water)
Melting Point	155.8-156.6 °C
Water Content (Karl Fisher)	0.47%
Optical Rotation	[α] _D ²⁰ = + 13.8 ° (C=1, in MeOH)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.26% (60 °C, 2h)
¹H NMR	Conforms to structure
Purity by HPLC	99.45%
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



Bala Kumar
Quality Control Manager