

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	02140
Lot Number	000127-0504116
Product	<i>N</i>^α-Z-<i>N</i>^ω-(4-toluenesulfonyl)-L-arginine

Z-L-Arg(Tos)-OH

CAS Number	13650-38-9
Molecular Formula	C ₂₁ H ₂₆ N ₄ O ₆ S
Molecular Weight	462.5

Appearance	White powder
Solubility	Clear solution (50mg/mL in Methanol)
Melting Point	81 °C
Water Content (Karl Fisher)	0.3%
TLC System	Ethyl acetate/Pyridine/Acetic acid/H ₂ O (60:20:6:11) Chloroform/Methanol/Acetic acid 32% (15:4:1) Plate: silicagel 60 F ₂₅₄ Detected by:UV, ninhydrin, Chlorine-tolidine
Residual Solvents	3.1% EtOAc(GC) 5.2% IPE (GC)
Assay	91.4%
Purity by TLC	99%
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