

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	02131
Lot Number	001529-502936
Product	$N^{\alpha}, N^{\omega}, N^{\omega'}$-Tris-Z-L-arginine

Z-L-Arg(Z)₂-OH

CAS Number	14611-34-8
Molecular Formula	C ₃₀ H ₃₂ N ₄ O ₈
Molecular Weight	576.6

Appearance	White powder
Solubility	Clear colorless solution (5% in MeOH)
Melting Point	142 °C
TLC System	Chloroform/Methanol/Acetic Acid (90:8:2) Acetonitrile/Chloroform/Acetic acid (8:1:1)
Optical Rotation	$[\alpha]_D^{25} = +14.2^{\circ}$ (C=2% in CHCl ₃)
Purity by HPLC	98.6%
Purity by TLC	> 97%
Storage	Store at 0-8 °C
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