



# INDOFINE Chemical Company, Inc.

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## *Certificate of Analysis*

Catalogue Number 04-2540  
Lot Number 001529-502936  
Product  $N^{\alpha}, N^{\omega}, N^{\omega'}$ -Tris-Z-L-arginine

Z-L-Arg(Z)<sub>2</sub>-OH

CAS Number 14611-34-8  
Molecular Formula  $C_{30}H_{32}N_4O_8$

Molecular Weight 576.6

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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<sub>3</sub>)  
Purity by HPLC 98.6%  
Purity by TLC > 97%  
Storage Store at 0-8 °C