

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

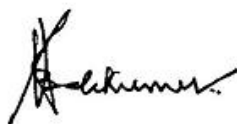
Wood Dale, IL 60191

Certificate of Analysis

Catalogue Number	00302
Lot Number	000424-2108005-10805
Product	D-Tryptophan D-Trp-OH
CAS Number	153-94-6
Molecular Formula	C ₁₁ H ₁₂ N ₂ O ₂
Molecular Weight	204.2

Appearance	Off-white powder
Heavy Metals	< 10 ppm
Anion	Chloride (Cl) : < 0.02%
Cation	Ammonium (NH ₄) : < 0.02% Iron (Fe) : < 20 ppm
pH	5.76
Optical Rotation	[α] _D ²⁰ = 31.7 ° (C=1 in H ₂ O)
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.24% (105 °C, 3h)
Residue On Ignition	0.01%
¹H NMR	Conforms to structure
Chiral HPLC	99.95% (ee)
L-Enantiomer	0.049%
Purity by HPLC	98.38%
Storage	Store at RT
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