## Chem-Impex International, Inc.

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## Certificate of Analysis

Catalogue Number 02190

**Lot Number** 121220-21032

Product Z-L-4-trans-hydroxyproline

Z-L-Hyp-OH

CAS Number 13504-85-3 Molecular Formula C<sub>13</sub>H<sub>15</sub>NO<sub>5</sub>

Molecular Weight 265.3

**Appearance** White powder

**Solubility** Clear Solution (0.3g in 2ml EtOH)

Melting Point 105.3-106.2 °C

Water Content (Karl

Fisher)

935 Dillon Drive

0.887%

**Optical Rotation** [a] $_{D}^{20} = -54.65^{\circ}$  (C=2 in EtOH)

Infrared SpectrumConforms to structureAnalysis by Mass SpectraConforms to standard

**Loss on Drying** 0.39% (50 °C, 2h)

<sup>1</sup>H NMR Conforms to structure

Purity by HPLC 99.39%
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**