## Chem-Impex International, Inc.

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## Certificate of Analysis

Catalogue Number 29736

**Lot Number** 000129-13138-1

Product  $N^{\delta}$ -Z-D-ornithine methyl ester hydrochloride

**CAS Number** 352274-96-5 **Molecular Formula** C<sub>14</sub>H<sub>20</sub>N<sub>2</sub>O<sub>4</sub>•HCl

**Molecular Weight** 316.79

**Appearance** White crystalline powder

**Melting Point** 145 - 146 °C

**Optical Rotation** [a]<sub>D</sub><sup>20</sup> = -15.5 ° (C=1 in MeOH)

Assay by titration 99.2%
Purity by HPLC 99.5%
Purity by TLC >98%

**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**