## Chem-Impex International, Inc.

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## Certificate of Analysis

Catalogue Number 33574

Product L-Isovaline monohydrate

**Lot Number** 000424-210330-12818

(S)-2-Amino-2-methylbutyric acid monohydrate

**Manufacturing site:** 

CAS Number 1266371-20-3 Molecular Formula C₅H₁1NO₂ • H₂O

Molecular Weight 135.16

**Appearance** White solid

**Optical Rotation** [a]<sub>D</sub><sup>20</sup> = 10.1  $^{\circ}$  (C=5 in water)

Analysis by Mass Spectra Conforms to standard

Residual Solvents Not identified
Related Substances Not identified

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

**Assay by titration** 100.8% (HClO4)

Chiral HPLC 100% (ee) **D-Enantiomer** Not detected

Purity by HPLC 100%

**Storage** Store at 2 - 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**