Chem-Impex International, Inc.

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Web site: www.chemimpex.com

Shipping and Correspondence:

935 Dillon Drive

Wood Dale, IL 60191

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191

Certificate of Analysis

Catalogue Number 03561

Product L-Ornithine-α-ketoglutarate (1:1)

Lot Number 002512-20151018

CAS Number 5191-97-9

Molecular Formula C₅H₁₂N₂O₂•C₅H₆O₅

Molecular Weight 278.26

Appearance White to yellowish crystalline powder

Heavy Metals < 10 ppm

Cation Lead (Pb): < 3 ppm

Arsenic (As): < 0.1 ppm Cadmium (Cd): < 0.1 ppm Mercury (Hg): < 0.1 ppm

pH 5.5

Yeast and Mold $\leq 100 \text{ cfu/g}$ Optical Rotation $[a]_D^{20} = +11.4^{\circ}$

Loss on Drying1.41%SalmonellaNegativeMesh Size40 MeshResidue On Ignition0.03%Assay99.3%

Storage Store at 0-8 °C

Additional Information Total plate count: ≤ 1000 cfu/g

Coliforms: Negative

Certificate of Analysis

Catalog Number: 03561 Lot Number: 002512-20151018

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