

# *Chem-Impex International, Inc.*

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## *Certificate of Analysis*

|                          |  |
|--------------------------|--|
| <b>Catalogue Number</b>  | 31938  |
| <b>Product</b>           | <b>L-Lysine acetate salt</b>   |
| <b>Lot Number</b>        | 002840-171101  |
| <b>CAS Number</b>        | 57282-49-2   |
| <b>Molecular Formula</b> | C <sub>6</sub> H <sub>14</sub> N <sub>2</sub> O <sub>2</sub> •C <sub>2</sub> H <sub>4</sub> O <sub>2</sub> |
| <b>Molecular Weight</b>  | 206.24   |

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|                            |   |
|----------------------------|---|
| <b>Appearance</b>          | White crystalline powder  |
| <b>Heavy Metals</b>        | < 15 ppm  |
| <b>Anion</b>               | Chloride (Cl <sup>-</sup> ): < 0.05%<br>Sulfate (SO <sub>4</sub> <sup>2-</sup> ): < 0.03% |
| <b>Cation</b>              | Iron (Fe): < 30 ppm   |
| <b>Optical Rotation</b>    | [α] <sub>D</sub> <sup>20</sup> = +9.4° (C=10 in H <sub>2</sub> O)                         |
| <b>Infrared Spectrum</b>   | Conforms to reference standard  |
| <b>Loss on Drying</b>      | 0.04%   |
| <b>Related Substances</b>  | Individual impurity: < 0.5%<br>Total impurity: < 2.0%                                     |
| <b>Residue On Ignition</b> | 0.03%   |
| <b>Assay</b>               | 99.6% (Dried basis)   |
| <b>Grade</b>               | USP, Non-animal origin  |
| <b>Storage</b>             | Store at 0-8 °C   |

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**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**