



**CERTIFICATE OF ANALYSIS**

|                                  |   |                    |               |
|----------------------------------|---|--------------------|---------------|
| Product Name                     | Ornithine Alpha Ketoglutarate               |                    |               |
| Batch No                         | 11-KY20131106                               | Manufacturing Date | November 2013 |
| Source                           |   | Shelf Life         | November 2015 |
| Appearance                       | White/Off White Crystals/Crystalline Powder |                    |               |
| ANALYSIS                         |   | RESULT             |               |
| <b>Tests</b>                     |   |                    |               |
| Solubility (1g in 20ml of water) |   | Clear              |               |
| Assay                            |   | 98.7%              |               |
| pH                               |   | 3.4                |               |
| Specific Rotation                |   | +13.7              |               |
| Loss on Drying                   |   | 0.47%              |               |
| Residue on Ignition              |   | 0.04%              |               |
| Chloride                         |   | < 0.1              |               |
| <b>Heavy Metals (ppm)</b>        |   | < 10               |               |
| Iron (ppm)                       |   | < 10               |               |
| Arsenic (ppm)                    |   | < 1                |               |
| <b>Microbial Analysis</b>        |   |                    |               |
| Total Plate Count (cfu/g)        |   | < 10000            |               |
| Yeast & Moulds (cfu/g)           |   | < 1000             |               |
| E. Coli                          |   | Absent             |               |
| Salmonella                       |   | Absent             |               |
| GMO Status                       |   | Non-GMO            |               |
| Irradiation Status               |   | Non-Irradiated     |               |

This is a direct copy of the manufacturer Certificate of Analysis

 **100% QUALITY ASSURANCE GUARANTEE**