

Chem-Impex International, Inc.

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Certificate of Analysis

| | |
|------------------------------------|--|
| Catalogue Number | 09302 |
| Product | L-Valyl-L-glutamic acid |
| Lot Number | 000127-1000064901 |
| | Val-Glu-OH |
| CAS Number | 3062-07-5 |
| Molecular Formula | C ₁₀ H ₁₈ N ₂ O ₅ |
| Molecular Weight | 246.26 |
| <hr/> | |
| Appearance | White powder |
| Solubility | Clear, colorless solution (50 mg/ml in AcOH 80%) |
| Elemental Analysis (Found) | C=48.7%, H=7.0%, N=11.3% |
| Water Content (Karl Fisher) | 0.5% |
| TLC System | n-butanol/acetic acid/H ₂ O 4/2/2 chloroform/methanol/acetic acid 32% 5/3/1 plate: silicagel 60 F254 detected by: UV, ninhydrin, chlorine-tolidine |
| Optical Rotation | [α] _D ²⁴ = 22.9 ° (C=1% in H ₂ O) |
| Assay | 99.2% (Elemental Analysis) |
| Purity by TLC | > 99% |
| 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