

# *Chem-Impex International, Inc.*

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## *Product Specifications*

<b>Catalogue Number</b>	00349
<b>Product</b>	<b>DL-Glutamic acid monohydrate</b>  DL-Glu-OH•H <sub>2</sub> O  ( <i>RS</i> )-2-Aminopentanedioic acid monohydrate
<b>CAS Number</b>	19285-83-7
<b>Molecular Formula</b>	C <sub>5</sub> H <sub>9</sub> NO <sub>4</sub> •H <sub>2</sub> O
<b>Molecular Weight</b>	165.15

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<b>Appearance</b>	White to off-white crystalline powder
<b>Solubility</b>	Colorless & Clear (c = 5 in 3N HCl)
<b>Heavy Metals</b>	≤ 10 ppm (as Pb)
<b>Anion</b>	Chloride (Cl) : ≤ 0.02% Sulfate (SO <sub>4</sub> ) : ≤ 0.05%
<b>Cation</b>	Iron (Fe) : ≤ 10 ppm Ammonium : ≤ 0.02% Arsenic (As) : ≤ 1.0 ppm
<b>Loss on Drying</b>	≤ 11%
<b>Other Amino Acids</b>	Not detected by TLC (the spotted amount 20 µg)
<b>Residue On Ignition</b>	≤ 0.05% (as sulfate)
<b>Assay</b>	≥ 99%
<b>Storage</b>	Store at RT

**For Laboratory Use Only**