

# *Chem-Impex International, Inc.*

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**Tel:** (630) 766-2112

**E-mail:** sales@chemimpex.com

**Shipping and Correspondence:**

935 Dillon Drive

Wood Dale, IL 60191

**Fax:** (630) 766-2218

**Web site:** www.chemimpex.com

**Manufacturing site:**

825 Dillon Drive

Wood Dale, IL 60191

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## *Certificate of Analysis*

<b>Catalogue Number</b>	29800
<b>Lot Number</b>	000531-160003
<b>Product</b>	<b>L-Glutathione Oxidized Hexahydrate</b> GSSG
<b>CAS Number</b>	121-24-4
<b>Molecular Formula</b>	C <sub>20</sub> H <sub>32</sub> N <sub>6</sub> O <sub>12</sub> S <sub>2</sub> •6H <sub>2</sub> O
<b>Molecular Weight</b>	720.72

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<b>Appearance</b>	White crystalline powder
<b>Odor</b>	Odorless
<b>Heavy Metals</b>	Lead (Pb) : < 20 ppm
<b>Water Content (Karl Fisher)</b>	15.5%
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>25</sup> = -103 °
<b>Infrared Spectrum</b>	Conforms to structure
<b>Transmission</b>	State of solution : Colorless and clear
<b>Residual Solvents</b>	Ethanol : 0.0075%
<b>Microbial Count</b>	< 100 cfu/g (TPC)
<b>Related Substances</b>	Single unknown impurity : 0.2% Total unknown impurities : 0.2% Total known impurities : < 0.1%
<b>Residue On Ignition</b>	0.0%
<b>Assay (anhydrous basis)</b>	99.7%
<b>Storage</b>	Store at 2 - 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**