

# Chem-Impex International, Inc.

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**Manufacturing site:**

825 Dillon Drive

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## Certificate of Analysis

<b>Catalogue Number</b>	37010
<b>Lot Number</b>	000514-25971010
<b>Product</b>	<b>Manganese gluconate dihydrate, USP, FCC,</b> Manganese gluconate dihydrate, USP, FCC, Powder, Low heavy
<b>CAS Number</b>	6485-39-8
<b>Molecular Formula</b>	MnC <sub>12</sub> H <sub>22</sub> O <sub>14</sub> •2H <sub>2</sub> O
<b>Molecular Weight</b>	481.27

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<b>Appearance</b>	Pinkish white powder
<b>Heavy Metals</b>	0.58 ppm
<b>Anion</b>	Chloride (Cl) : < 0.05% Sulfate : < 0.2%
<b>Cation</b>	Lead (Pb) : 0.03 ppm Arsenic (As) : 0.10 ppm Cadmium (Cd) : 0.01 ppm Mercury (Hg) : < 0.1 ppm
<b>Water Content (Karl Fisher)</b>	7.6%
<b>Yeast and Mold</b>	< 100 cfu/g
<b>Reducing Substances</b>	0.02%
<b>Residual Solvents</b>	Conforms
<b>Coliform Organisms</b>	Negative
<b>Microbial Count</b>	< 1000 cfu/g (APC)
<b>Particle Size</b>	100% pass thru' 60 mesh 100% pass thru' 80 mesh
<b>Assay</b>	100%
<b>Assay (as is)</b>	11.6% (Mn content)
<b>Grade</b>	USP
<b>Storage</b>	Store at RT
<b>Additional Information</b>	Identification test A and B : Passes test

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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**