

# *Chem-Impex International, Inc.*

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825 Dillon Drive

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## *Certificate of Analysis*

<b>Catalogue Number</b>	00732
<b>Lot Number</b>	002134-1468
<b>Product</b>	<b>Calcium D-saccharate tetrahydrate</b>

Glucaric acid calcium salt tetrahydrate

Glucosaccharic acid calcium salt tetrahydrate

<b>CAS Number</b>	5793-89-5, 5793-88-4
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<b>Molecular Formula</b>	C <sub>6</sub> H <sub>8</sub> O <sub>8</sub> Ca·4H <sub>2</sub> O
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<b>Molecular Weight</b>	320.26
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<b>Appearance</b>	White crystalline powder
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<b>Solubility</b>	Soluble in calcium gluconate solution
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<b>Heavy Metals</b>	< 20 ppm
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<b>Anion</b>	Chloride (Cl <sup>-</sup> ): < 0.07%
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Sulfate (SO<sub>4</sub><sup>2-</sup>): < 0.12%

<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = +20.83° (C=1 in 5N HCl)
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<b>Infrared Spectrum</b>	Conforms to structure
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<b>Reducing Substances</b>	Sucrose & Reducing sugar: Absent
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<b>Assay by titration</b>	99.72% (Calculated as C <sub>6</sub> H <sub>8</sub> O <sub>8</sub> Ca·4H <sub>2</sub> O)
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<b>Grade</b>	USP
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<b>Storage</b>	Store at RT
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<b>Additional Information</b>	Identification: Positive test for Calcium
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## ***Certificate of Analysis***

**Catalog Number: 00732**

**Lot Number: 002134-1468**

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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**

A handwritten signature in black ink, appearing to read 'Bala Kumar', with a stylized flourish at the end.

**Bala Kumar**  
**Quality Control Manager**