

# Chem-Impex International, Inc.

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825 Dillon Drive

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## Certificate of Analysis

<b>Catalogue Number</b>	01465
<b>Lot Number</b>	000331-34877
<b>Product</b>	<b>Succinic acid</b> Butanedioic acid Dihydrofumaric acid
<b>CAS Number</b>	110-15-6
<b>Molecular Formula</b>	C <sub>4</sub> H <sub>6</sub> O <sub>4</sub>
<b>Molecular Weight</b>	118.1

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<b>Appearance</b>	White crystalline powder
<b>Solubility</b>	6.8 g in 100 mL water at 20 °C; 121 g in 100 mL water at 100 °C. Clear and complete (10 g in 150 mL water)
<b>Melting Point</b>	185.0-187.0 °C
<b>Heavy Metals</b>	< 2 ppm
<b>Anion</b>	Chloride (Cl <sup>-</sup> ): < 0.001% Phosphate (PO <sub>4</sub> <sup>3-</sup> ): < 0.001% Sulfate (SO <sub>4</sub> <sup>2-</sup> ): < 0.003%
<b>Cation</b>	Nitrogen Compounds (as N): < 0.001% Iron (Fe): < 2 ppm
<b>Insoluble material</b>	< 0.010%
<b>Assay by titration</b>	99.82%
<b>Grade</b>	ACS reagent
<b>Application</b>	Internal standard use in chromatography.
<b>Storage</b>	Store at RT
<b>Additional Information</b>	Residue after ignition: 0.005%

# *Certificate of Analysis*

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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**