

# Chem-Impex International, Inc.

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825 Dillon Drive

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## Certificate of Analysis

<b>Catalogue Number</b>	42239
<b>Lot Number</b>	003319-20211004
<b>Product</b>	<b>Troxerutin</b> 3',4',7-Tris[O-(2-hydroxyethyl)]rutin Trihydroxyethylrutin
<b>CAS Number</b>	7085-55-4
<b>Molecular Formula</b>	C <sub>33</sub> H <sub>42</sub> O <sub>19</sub>
<b>Molecular Weight</b>	742.68

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<b>Appearance</b>	Yellowish-green crystalline powder
<b>Solubility</b>	Soluble in water. Slightly soluble in ethanol. Practically insoluble in methylene chloride
<b>Odor</b>	Characteristic
<b>Heavy Metals</b>	< 10 ppm
<b>Cation</b>	Arsenic (As) : < 1 ppm Lead (Pb) : < 2 ppm Mercury (Hg) : < 0.1 ppm Cadmium (Cd) : < 1 ppm
<b>Yeast and Mold</b>	< 100 cfu/g
<b>Infrared Spectrum</b>	Conforms to structure
<b>Loss on Drying</b>	3.62%
<b>Residual Solvents</b>	Methanol : < 1000 ppm
<b>E. Coli</b>	Negative
<b>Microbial Count</b>	< 1000 cfu/g (TPC)
<b>Salmonella</b>	Negative
<b>Mesh Size</b>	95% pass thr 60 mesh
<b>Related Substances</b>	Principal peak : 84.16% Tetrakis (hydroxyethyl)rutin : 4.85% Mono (hydroxyethyl)rutin : 1.18% Bis (hydroxyethyl)rutin : 4.42% Ethylene oxide : < 1 ppm
<b>Sulfated Ash</b>	0.08%
<b>Assay</b>	98.61% (UV, on dry basis)
<b>Grade</b>	EP

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<b>Storage</b>	Store at $\leq -4$ °C
<b>Additional Information</b>	Taste : Characteristic
<b>Remarks</b>	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