

# *Chem-Impex International, Inc.*

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## *Product Specifications*

<b>Catalogue Number</b>	42176
<b>Product</b>	<b>Genistein</b> 4',5,7-Trihydroxyisoflavone
<b>CAS Number</b>	446-72-0
<b>Molecular Formula</b>	C <sub>15</sub> H <sub>10</sub> O <sub>5</sub>
<b>Molecular Weight</b>	270.24

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<b>Appearance</b>	Yellow to white fine powder
<b>Solubility</b>	Soluble in ethanol
<b>Odor</b>	Characteristic
<b>Heavy Metals</b>	≤ 10 ppm
<b>Cation</b>	Lead (Pb) : ≤ 1 ppm Arsenic (As) : ≤ 1 ppm Cadmium (Cd) : ≤ 0.5 ppm Mercury (Hg) : ≤ 0.1 ppm
<b>Yeast and Mold</b>	≤ 100 cfu/g
<b>Loss on Drying</b>	≤ 1%
<b>E. Coli</b>	Negative
<b>Microbial Count</b>	≤ 1000 cfu/g (TPC)
<b>Salmonella</b>	Negative
<b>Particle Size</b>	100% passed thr' 80 mesh
<b>Residue On Ignition</b>	≤ 1%
<b>Purity by HPLC</b>	≥ 98%
<b>Storage</b>	Store at 2 - 8 °C
<b>Additional Information</b>	Taste : Astringent

**For Laboratory Use Only**