

# *Chem-Impex International, Inc.*

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825 Dillon Drive

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## *Product Specifications*

<b>Catalogue Number</b>	36951
<b>Product</b>	<b>Chitosan , high molecular weight (1000-2000</b> Deacetylated chitin Poly(D-glucosamine)
<b>CAS Number</b>	9012-76-4
<b>Molecular Formula</b>	[C <sub>6</sub> H <sub>11</sub> NO <sub>4</sub> ] <sub>n</sub>
<b>Molecular Weight</b>	~ 1,500,000

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<b>Appearance</b>	White to light tan powder or light yellow powder
<b>Solubility</b>	≥ 99% in acetic acid
<b>Viscosity</b>	1000 - 2000 cP
<b>Cation</b>	Arsenic (As) : ≤ 1 ppm Lead (Pb) : ≤ 0.5 ppm Mercury (Hg) : ≤ 0.2 ppm Cadmium (Cd) : < 1 ppm
<b>Water Content (Karl Fisher)</b>	≤ 8%
<b>pH</b>	6 - 8
<b>Yeast and Mold</b>	≤ 100 cfu / g
<b>Coliform Organisms</b>	≤ 3 MPN / g
<b>E. Coli</b>	≤ 3 MPN / g
<b>Microbial Count</b>	≤ 1000 cfu / g (TPC)
<b>Salmonella</b>	Not detected in 25 g
<b>Staphylococcus Aureus</b>	≤ 3 MPN / g
<b>Particle Size</b>	≤ 100 mesh
<b>Ash</b>	≤ 1%
<b>Storage</b>	Store at RT
<b>Additional Information</b>	Degree of Deacetylation : ≥ 90%

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**For Laboratory Use Only**