

# Chem-Impex International, Inc.

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**Manufacturing site:**

825 Dillon Drive

Wood Dale, IL 60191

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## Certificate of Analysis

<b>Catalogue Number</b>	32094
<b>Lot Number</b>	003230-210506077
<b>Product</b>	<b>Pullulan</b>
<b>CAS Number</b>	9057-02-7

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<b>Appearance</b>	White to almost white powder Hygroscopic!
<b>Viscosity</b>	110 mm <sup>2</sup> S-1 (10 wt%, 30 °C)
<b>Elemental Analysis (Found)</b>	Nitrogen content : < 0.05%
<b>Heavy Metals</b>	< 2 ppm (as Pb)
<b>pH</b>	6.42
<b>Yeast and Mold</b>	< 100 CFU/g
<b>Loss on Drying</b>	2.33%
<b>E. Coli</b>	Negative
<b>Microbial Count</b>	< 100 CFU/g (TAMC)
<b>Salmonella</b>	Negative
<b>Residue On Ignition</b>	0.18%
<b>Grade</b>	USP
<b>Storage</b>	Store at 0 - 8 °C
<b>Additional Information</b>	Monosaccharide, Disaccharide, oligosaccharide (as Glucose) : 1.58%
<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