

# Chem-Impex International, Inc.

---

**Tel:** (630) 766-2112

**E-mail:** sales@chemimpex.com

**Shipping and Correspondence:**

935 Dillon Drive

Wood Dale, IL 60191

**Fax:** (630) 766-2218

**Web site:** www.chemimpex.com

**Manufacturing site:**

825 Dillon Drive

Wood Dale, IL 60191

---

## Certificate of Analysis

<b>Catalogue Number</b>	01963
<b>Lot Number</b>	002243-601019
<b>Product</b>	<b><math>\alpha</math>-Cyclodextrin</b>

Schardinger  $\alpha$ -dextrin

Cyclohexaamylose

<b>CAS Number</b>	10016-20-3
<b>Molecular Formula</b>	C <sub>36</sub> H <sub>60</sub> O <sub>30</sub>
<b>Molecular Weight</b>	972.9

---

<b>Appearance</b>	White crystalline powder
<b>Solubility</b>	Clear solution in 1% aqueous solution
<b>Heavy Metals</b>	5 ppm
<b>Water Content (Karl Fisher)</b>	10%
<b>pH</b>	7 (1% aq. soln)
<b>Yeast and Mold</b>	< 100 cfu/g
<b>Optical Rotation</b>	$[\alpha]_D^{20} = +150^\circ$
<b>Reducing Substances</b>	0.2%
<b>E. Coli</b>	Absent
<b>Microbial Count</b>	< 1000 cfu/g
<b>Salmonella</b>	Absent
<b>Organic Volatile Impurities</b>	12 ppm
<b>Related Substances</b>	Beta and gamma cyclodextrin: < 0.25% Other sugars < 0.5%
<b>Residue On Ignition</b>	0.1%
<b>Assay (anhydrous basis)</b>	98%
<b>Grade</b>	USP
<b>Storage</b>	Store at RT

# *Certificate of Analysis*

Catalog Number: 01963

Lot Number: 002243-601019

---

**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**