

# *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>	01453
<b>Lot Number</b>	001684-20120128
<b>Product</b>	<b>D-(+)-Glucuronic acid <math>\gamma</math>-lactone</b>  D-Glucurone  Glucuronolactone
<b>CAS Number</b>	32449-92-6
<b>Molecular Formula</b>	C <sub>6</sub> H <sub>8</sub> O <sub>6</sub>
<b>Molecular Weight</b>	176.12

---

<b>Appearance</b>	White crystalline powder
<b>Solubility</b>	Readily soluble in water and insoluble in petroleum.
<b>Melting Point</b>	176-178 °C
<b>Heavy Metals</b>	< 50 ppm
<b>Optical Rotation</b>	[ $\alpha$ ] <sub>D</sub> = +19.5°
<b>Infrared Spectrum</b>	Conforms to structure
<b>Analysis by Mass Spectra</b>	Conforms to standard
<b>Loss on Drying</b>	< 0.5%
<b>Residue On Ignition</b>	0.1%
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity by HPLC</b>	99.6%
<b>Purity by TLC</b>	> 99%
<b>Storage</b>	Store at RT

# *Certificate of Analysis*

**Catalog Number: 01453**

**Lot Number: 001684-20120128**

---

**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**