

# *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>  | 27760   |
| <b>Product</b>           | <b>3-O-Methyl-<math>\alpha</math>-D-glucopyranose</b> |
| <b>Lot Number</b>        | 001684-20170206                                       |
| <b>CAS Number</b>        | 13224-94-7  |
| <b>Molecular Formula</b> | C <sub>7</sub> H <sub>14</sub> O <sub>6</sub>         |
| <b>Molecular Weight</b>  | 194.18  |

---

|                                 |  |
|---------------------------------|--|
| <b>Appearance</b>               | White or off-white powder  |
| <b>Solubility</b>               | Readily soluble in water and almost insoluble in ether                               |
| <b>TLC System</b>               | 15% Sulfuric Acid - Ethanol  |
| <b>Optical Rotation</b>         | [ $\alpha$ ] <sub>D</sub> <sup>20</sup> = 55.6 ° (C=1 in H <sub>2</sub> O)           |
| <b>Infrared Spectrum</b>        | Conforms to standard   |
| <b>Analysis by Mass Spectra</b> | Conforms to standard   |
| <b>Loss on Drying</b>           | 0.1%   |
| <b>Residue On Ignition</b>      | 0.1%   |
| <b><sup>1</sup>H NMR</b>        | Conforms to structure  |
| <b>Purity by HPLC</b>           | 99.4%  |
| <b>Purity by TLC</b>            | One spot   |
| <b>Storage</b>                  | Store at 0 - 8 °C  |
| <b>Remarks</b>                  | See material safety data sheet for additional information<br>For laboratory use only |

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



**Bala Kumar**  
**Quality Control Manager**