

# Chem-Impex International, Inc.

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## Certificate of Analysis

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|--------------------------|--|
| <b>Catalogue Number</b>  | 00226  |
| <b>Lot Number</b>        | 001684-20120305  |
| <b>Product</b>           | <b>4-Nitrophenyl-<math>\beta</math>-D-galactopyranoside</b><br>4-Nitrophenyl- $\beta$ -D-galactoside |
| <b>CAS Number</b>        | 3150-24-1  |
| <b>Molecular Formula</b> | C <sub>12</sub> H <sub>15</sub> NO <sub>8</sub>  |
| <b>Molecular Weight</b>  | 301.3  |

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|----------------------------|--|
| <b>Appearance</b>          | White crystalline powder   |
| <b>Solubility</b>          | Soluble in DMF and insoluble in ether  |
| <b>Melting Point</b>       | 180-182 °C   |
| <b>Heavy Metals</b>        | < 20 ppm   |
| <b>Optical Rotation</b>    | [ $\alpha$ ] <sub>D</sub> <sup>20</sup> = -85° (C=1 in H <sub>2</sub> O)             |
| <b>Infrared Spectrum</b>   | Conforms to structure  |
| <b>Loss on Drying</b>      | 0.12%  |
| <b>Residue On Ignition</b> | 0.2%   |
| <b>Purity by HPLC</b>      | 99.2%  |
| <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