

# Chem-Impex International, Inc.

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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

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## Certificate of Analysis

|                          |   |
|--------------------------|---|
| <b>Catalogue Number</b>  | 00348   |
| <b>Lot Number</b>        | 002363-150521   |
| <b>Product</b>           | <b>Guanosine-5'-triphosphate disodium salt</b><br>5'-GTP · 2Na<br>Guanosine 5'-triphosphoric acid disodium salt |
| <b>CAS Number</b>        | 56001-37-7  |
| <b>Molecular Formula</b> | C <sub>10</sub> H <sub>14</sub> N <sub>5</sub> O <sub>14</sub> P <sub>3</sub> Na <sub>2</sub>                   |
| <b>Molecular Weight</b>  | 567.15  |

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|--------------------------------|--|
| <b>Appearance</b>              | White to off-white powder  |
| <b>Clarity &amp; Color</b>     | Clear and colorless  |
| <b>Solubility</b>              | Easily soluble in water, practically insoluble in ethanol or ether.  |
| <b>pH</b>                      | 4.1  |
| <b>UV Ratios</b>               | Absorbance Ratios:<br>A <sub>250</sub> /A <sub>260</sub> : 0.98<br>A <sub>280</sub> /A <sub>260</sub> : 0.68 |
| <b>Loss on Drying</b>          | 4.5%   |
| <b>Protein Determination</b>   | No turbidity observed  |
| <b>Assay (anhydrous basis)</b> | 93.1%  |
| <b>Purity by HPLC</b>          | 94%  |
| <b>Storage</b>                 | Store at ≤ -4 °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