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## Certificate of Analysis

<b>Product</b>	<b>70564 - Guanosine-5-Triphosphate Disodium Salt (5-GTP-Na<sub>2</sub>) extrapure, 90% - [56001-37-7]</b>
<b>Batch No</b>	<b>9780282</b>
<b>Analysis Date</b>	21-Jan-2024
<b>Date of Manufacture</b>	January 2024
<b>Expiry Date/Re-Test Date</b>	January 2029
<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

Test Parameters	Standards	Actual Results
Appearance (Colour)	White	White
Appearance (Form)	Crystalline powder	Crystalline powder
Solubility (Turbidity) 10% aq. solution	Clear	Clear
Solubility (Colour) 10% aq. solution	Colourless	Colourless
Assay	min.90%	92.9%
Water (KF)	max. 10%	6.3%
Phosphate (P)	max. 0.5%	Passes
GMP	1.0 - 2.0%	Passes
GDP	3.0 - 4.0%	Passes
Spectral Ratio (A <sub>250nm</sub> /A <sub>260nm</sub> )	1.13 - 1.19	1.14
Spectral Ratio (A <sub>280nm</sub> /A <sub>260nm</sub> )	0.63 - 0.69	0.65
Spectral Ratio (A <sub>290nm</sub> /A <sub>260nm</sub> )	0.27 - 0.29	0.27

FRM/82/11/4/70564 Rev No. 1 Date 01/11/2015

Prepared by **Dhanashree**

In compliance with the standard specifications of SRL

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