

## Certificate of Analysis

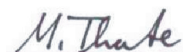
<b>PRODUCT NAME</b>	2'-Deoxyguanosine 5'-triphosphate Trisodium Salt
<b>LOT NUMBER</b>	100.825
<b>CAS NUMBER</b>	93919-41-6
<b>FORMULA</b>	C <sub>10</sub> H <sub>13</sub> N <sub>5</sub> O <sub>13</sub> P <sub>3</sub> Na <sub>3</sub>
<b>MOLECULAR WEIGHT</b>	573.2

FUNCTIONAL ASSAYS	SPECIFICATION	RESULTS
Quantitative QPCR		
Slope	-3.3 and -3.6	-3.256
Standard Deviation for 10 pg	< 1	0.988
Cycle threshold (Ct) for 10 pg	< 35	34.78
Signal above threshold in the no template control	No Signal	No Signal
30 bp long range PCR	suitable	pass

PHYSICAL ASSAYS	SPECIFICATION	RESULTS
Appearance	Clear colourless to very faint yellow	confirms
DNase, RNase, Phosphatase Assay	no activity	no activity detected
DNA Assay	no contamination	confirms
Concentration	95 – 105 mM	100 mM
Purity by HPLC	> 99%	99.1 %
pH	6.5 – 7.0	7.0

\*Products are functionally tested by real-time PCR on a standard dilution row from 10 ng up to 1 pg DNA with human GAPDH on the RG-3000 (Corbett Research).

QC Acceptance Date: 14.06.2007



Expiry Date: 06/2009

Michael Thate, Quality Control

