CERTIFICATE OF ANALYSIS

Product	2'-Deoxyguanosine, monohydrate
Grade	Ultra Pure
Product Code	DD0047
Formula	$C_{10}H_{13}N_5O_4 \cdot H_2O$
M.W.	285.26
CAS Number*	312693-72-4
Lot. No	

Test Items	Specification	Results
Appearance	White Crystalline Powder	
Solubility (5% in 1N ammonium hydroxide, or 2% in 1M MaOH)	Clear to very slightly hazy, colorless solution	
Purity (HPLC area%)	≥99.0%	
Guanine	<0.5%	
Alfa Anomer Content	None Detectable	
UV Content (on dry basis)	≥98%	
Water Content (K.F.)	≤7.0%	
Ratio of Absorbance (pH 7.0)	1.12 - 1.18 (A250/A260) 0.65 – 0.69 (A280/A260)	

*The CAS# of 2'-Deoxyguanosine anhydrous form is 961-07-9.

Storage: -20℃, in tightly closed container. Protect from moisture.

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