



### CERTIFICATE OF ANALYSIS

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Product	2'-Deoxyguanosine, monohydrate
Grade	Ultra Pure
Product Code	DD0047
Formula	C <sub>10</sub> H <sub>13</sub> N <sub>5</sub> O <sub>4</sub> · H <sub>2</sub> O
M.W.	285.26
CAS#	312693-72-4
Lot. No	
Retest Date	

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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)	

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

Storage: Store at room temperature in tightly closed container. Protect from moisture.

This Signature indicates that the above material has met all quality specifications and has been reviewed by a quality representative.

Signature:   
Title: General Manager  
Date: November 08, 2024



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*QF 21 Rev 2*

V-2024

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