



Bio Basic Inc.

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CERTIFICATE OF ANALYSIS

Product	pNPG
Grade	Ultra Pure
Product Code	NB2361
Formula	C ₁₂ H ₁₅ NO ₈
MW	301.25
CAS#	3150-24-1
Lot No	

Test Items	Specifications	Results
Appearance	White to Off-white crystalline powder	
Color of Solution (1% in water)	Colorless to slightly yellow	
Turbidity	Clear (≤ 4.0 NTU)	
Water Content (K Fisher)	$\leq 7.0\%$	
Melting Point	178-182°C	
Specific Rotation D ₂₀ (c=1 in water, on dry matter)	-86.0 to -82.0	
Purity (HPLC)	≥ 98.0 area-%	
TLC (1-butanol/acetic acid/water 6:2:2; UV 254 nm)	Corresponds to reference material	
Impurity (p-nitrophenol)	$\leq 0.05\%$	
FT-IR Spectrum	Corresponds to reference spectrum	

Storage: -20°C.

OF 21 Rev 2015

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