

Certificate of Analysis

Product Name	UTP, 100mM Sodium Salt Solution		
Cat. No.	N104A04	CAS No.	19817-92-6
Lot No.	L02MY01	Formula	C ₉ H ₁₂ N ₂ Na ₃ O ₁₅ P ₃
Quantity	1mL	Mol. Weight	550.09g/mol

ITEMS	SPECIFICATIONS	RESULTS
Appearance	Clear Colorless Solution	Conforms
Identification (NMR)	Conforms to the Structure	Conforms
Concentration	100 ± 5mM	100mM
Purity by HPLC	≥ 95%	99.3%
Endonuclease Assay	No Detectable Endonuclease Activity, When Incubated with Plasmid DNA at 37°C for 3 hours.	Conforms
Exonuclease Assay	No Detectable Exonuclease Activity, When Incubated with DNA Substrate at 37°C for 3 hours	Conforms
Ribonucleases	No Detectable Ribonuclease Activity, When Incubated with the RNA Substrate at 37°C for 3 hours.	Conforms
Functional Assay	The Product has been Functionally Tested in IVT Reaction.	
Storage Conditions	The Recommended Storage Temperature is -20 ± 5°C. Multiple Thaw/Freeze Cycles or Exposure to Frequent Temperature Changes Should Always be Avoided. Aliquot as Necessary upon Arrived.	

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Reviewed by: 郑素娟

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Date: 2024.05.08

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