

### Certificate of Analysis

<b>Product Name</b>	<b>CTP, 100mM Sodium Salt Solution</b>		
<b>Cat. No.</b>	N102A04	<b>CAS No.</b>	123334-07-6
<b>Lot No.</b>	102MY01	<b>Formula</b>	C <sub>9</sub> H <sub>17</sub> N <sub>3</sub> Na <sub>3</sub> O <sub>14</sub> P <sub>3</sub>
<b>Quantity</b>	1mL	<b>Mol. Weight</b>	549.10 g/mol

ITEMS	SPECIFICATIONS	RESULTS
<b>Appearance</b>	Clear Colorless Solution	Conforms
<b>Identification (NMR)</b>	Conforms to the Structure	Conforms
<b>Concentration</b>	100 ± 5mM	102mM
<b>Purity by HPLC</b>	≥ 95%	99.8%
<b>Endonuclease Assay</b>	No Detectable Endonuclease Activity, When Incubated with Plasmid DNA at 37°C for 3 hours.	Conforms
<b>Exonuclease Assay</b>	No Detectable Exonuclease Activity, When Incubated with DNA Substrate at 37°C for 3 hours	Conforms
<b>Ribonucleases</b>	No Detectable Ribonuclease Activity, When Incubated with the RNA Substrate at 37°C for 3 hours.	Conforms
<b>Functional Assay</b>	The Product has been Functionally Tested in IVT Reactions.	
<b>Storage Conditions</b>	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 Arrival.	

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Reviewed by: 郑素娟  
 Date: 2024.05.07

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