

## Certificate of Analysis

<b>Product Name</b>	<b>CleanCap Reagent AU</b>		
<b>Cat. No.</b>	GN20150	<b>CAS No.</b>	N/A
<b>Lot No.</b>	1	<b>Formula</b>	C <sub>31</sub> H <sub>42</sub> N <sub>12</sub> O <sub>25</sub> P <sub>4</sub> (free acid)
<b>Quantity</b>	100µL	<b>Mol. Weight</b>	1106.63 g/mol

  

TEST	SPECIFICATIONS	RESULTS
<b>Appearance</b>	Clear Colorless Solution	Conforms
<b>Identification (NMR)</b>	Conforms to the Structure	Conforms
<b>Concentration</b>	100 ± 5mM	102 mM
<b>pH Value</b>	6.3 ± 0.2	6.3
<b>Purity by HPLC</b>	≥ 95%	99.4%
<b>Endotoxin</b>	≤ 1.0 EU/mL	Conforms
<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>Ribonuclease Assay</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 the <i>in vitro</i> Transcription Reaction.	
<b>Storage Conditions</b>	Store Sealed at -20°C ± 5°C . Avoid Multiple Freeze-Thaw Cycles or Exposure to Frequent Temperature Changes.	

**Caution: Product has not been fully validated for medical applications. For research use only.**

**Tel: (626) 353-8530 Fax: (626) 353-8530 E-mail: [tech@glpbio.com](mailto:tech@glpbio.com)**

**Address: 10292 Central Ave. #205, Montclair, CA, USA**