

CERTIFICATE OF ANALYSIS

Product Name: Polynucleotide
Batch No.: ZYDNA20260303
Quantity: 1.5kgs
Manufacture Date: 03.03.2026
Expired Date: 03.02.2028

Analysis Items	Specification	Result
Assay,UV(%)	NLT 95.0	108.1
Identification IR	Max absorption 258nm~262nm, ratio of absorbance at 260nm and 280nm 1.8-2.0	Max. absorption 258nm, ratio of absorbance at 260nm and 280nm 1.9
Appearance	White or off-white powder or fibre polymer	White powder
Solubility	Slightly soluble in water, insoluble in ethanol	Complies
PH	5.0-9.0	7.4
Solution appearance	Clear, $A_{600nm} < 0.01$	Complies
Average Molecular Weight	$\leq 2000kD$	1100kD
Protein,(%)	≤ 1.0	0.5
Hyperchromicity,(%)	NLT 30.0	30.5
Loss on drying,(%)	≤ 15	3.2
Pb,(mg/kg)	< 10	Complies
Hg,(mg/kg)	< 1	Complies
As,(mg/kg)	< 2	Complies
Cd,(mg/kg)	< 5	Complies
Total Plate Count,(cfu/g)	< 100	Complies
Yeast & Mold,(cfu/g)	< 100	Complies
Coliform	Negative	Complies
Staphylococcus aureus	Negative	Complies
Pseudomonas aeruginosa	Negative	Complies

Conclusion: Comply with Polynucleotide Specification and Standard Operating Procedure for Testing.

Storage: Store in a well-closed container away from moisture, direct light and heat.

Inspector: Liuqiang

Reexamining: Zhangguangchao

Verification: Miaoyu