

Version : 01

Update : 08/23/2021

## **CERTIFICATE OF ANALYSIS**

## **Product Information**

Product Name	GenCRISPR™ Ultra NLS-Cas9-basic GMP	
Cat. No.	Z03623	
Lot No.	T2109065	
Size	Specified on product label	
Formulation	Supplied as a solution of 25 mM Tris, 300 mM NaCl, 0.1 mM	
	EDTA, 50% Glycerol, pH 8.0.	
Storage	This product remains stable up to 12 months at -20°C. Avoid	
	repeated freeze-thaw cycles.	
Expiry Date	29 Sep, 2022	

## **Quality Control**

Test Items	Specifications	Results
Appearance	Clear, Colorless, Liquid	Passed
Bioactivity	≥ 90% as analyzed by <i>in vitro</i> assay	Passed
Concentration	10 mg/ml±1 mg/ml as analyzed by A280	10.4 mg/ml
Purity	≥ 95% as analyzed by SDS-PAGE	Passed
	≥ 95% as analyzed by SEC-HPLC	Passed
Endotoxin Level	≤ 10 EU/mg as analyzed by gel clotting method	Passed
<b>Residual RNase</b>	≤ 1 ng/mg by Ambion RNaseAlert	Passed
<b>Residual DNase</b>	≤ 10 ng/mg by Ambion DNaseAlert	Passed
Host Cell Protein	≤ 10 ng/mg by ELISA	Passed
Host Cell DNA	≤ 1 ng/mg by qPCR	Passed
Bioburden	< 1 CFU/ml	Passed

Date: 12/02/2021 Approved by: Dandan Yao

Quality Department