

Version: 01

Update: 08/23/2021

## CERTIFICATE OF ANALYSIS

### Product Information

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Product Name	GenCRISPR™ Ultra NLS-Cas9-basic GMP
Cat. No.	Z03623
Lot No.	A2304001
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	04/11/2024

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### Quality Control

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

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Date: 05/09/2023

Approved by: Dandan Yao

Quality Department