

Version : 02

Update : 07/19/2021

## CERTIFICATE OF ANALYSIS

### Product Information

Product Name	GenCRISPR™ Ultra NLS-Cas9-Research
Cat. No.	Z03621
Lot No.	E2111013
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	11/16/2022

### Quality Control

Test Items	Specifications	Results
Appearance	Clear, colorless liquid	Conformed
Bioactivity	≥ 90% as analyzed by <i>in vitro</i> assay.	Conformed
Concentration	10 mg/ml ± 1 mg/ml as analyzed by A280	10.54 mg/ml
Purity	≥ 95% as analyzed by SDS-PAGE	Conformed
	≥ 90% as analyzed by SEC-HPLC	Conformed
Endotoxin Level	≤ 10 EU/mg as analyzed by gel clotting method	Conformed
Residual RNase	Non-specific RNase activity	Conformed
Residual DNase	Non-specific DNase activity	Conformed

Date: 03/22/2022

Approved by: *Dandan Yao*

Quality Department

*For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.*