

Version : 01

Update : 06/24/2022

CERTIFICATE OF ANALYSIS

Product Information

Product Name	GenCRISPR™ Ultra eSpCas9-2NLS-basic GMP
Cat. No.	Z03624
Lot No.	C2202012
Size	Specified on product label
Storage Buffer	Supplied as a solution of 25 mM Tris-HCl, 0.1 mM EDTA, 300 mM NaCl, 50% glycerol, pH 8.0.
Storage & Stability	Store at -20 °C for up to 12 months from the date of manufacture. Avoid repeated freeze-thaw cycles. Do not store below -20 °C!
Expiry Date	02/28/2023

Quality Control

Test Items	Specifications	Results
Appearance	Clear, colorless, liquid	Passed
Bioactivity	≥ 85% as analyzed by <i>in vitro</i> assay	Passed
Concentration	10 mg/ml±1 mg/ml as analyzed by A280	Passed
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
Residual RNase	≤ 1 ng/mg by Ambion RNaseAlert	Passed
Residual DNase	≤ 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

For research or manufacturing use. Not intended for clinical use. Direct human use, including taking orally and injection are forbidden.

Date: 06/27/2022

Approved by: *Dandan Yao*

Quality Department