

Version : 01

Update : 09/06/2021

CERTIFICATE OF ANALYSIS

Product Information

Product Name	GenCRISPR™ Ultra eSpCas9-N-NLS Research, tag-free
Cat. No.	Z03692
Lot No.	C2111019
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	22 Nov, 2022

Quality Control

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

Date: 12/07/2021

Approved by: *Dandan Yao*

Quality Department

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