

Version : 03  
Update : 05/08/2023

## CERTIFICATE OF ANALYSIS

### Product Information

|                      |  |
|----------------------|--|
| Product Name:        | GenCRISPR™ Ultra eSpCas9-2NLS-Research   |
| Cat. No.:            | Z03622   |
| Lot No.:             | C2309003   |
| 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 at 25°C. |
| Stability & Storage: | This product remains stable up to 12 months at -20°C. Avoid repeated freeze-thaw cycles.     |
| Expiry Data:         | 12-Sep-2024  |

### Quality Control

| Test Items      | Specifications   | Results |
|-----------------|--|---------|
| Appearance      | Clear, colorless liquid  | Pass    |
| Concentration   | 10 mg/ml±1 mg/ml as analyzed by A280                           | Pass    |
| Purity          | ≥ 95% as analyzed by SDS-PAGE<br>≥ 90% as analyzed by SEC-HPLC | Pass    |
| Endotoxin Level | ≤ 10 EU/mg as analyzed by gel clotting method                  | Pass    |
| Activity        | ≥ 90% as analyzed by in vitro assay.                           | Pass    |
| DNase activity  | No DNase activity  | Pass    |
| RNase activity  | No RNase activity  | Pass    |

Date: 10/07/2023

Approved by: *Dandan Yao*

Quality Department

**For research use only. Not intended for human and animal therapeutic or diagnostic use.**

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