

## CERTIFICATE OF ANALYSIS

**EP0752      Maxima™ H Minus Reverse Transcriptase**

**Packaging Lot: 01043087**

**Expiry Date: 31.08.2024 (DD.MM.YYYY)**

**Storage: at -20±5°C**

### Filling lots for components in package:

| Lot      | Quantity | Description                          |
|----------|----------|--------------------------------------|
| 00975233 | 10 ku    | Maxima H Minus Reverse Transcriptase |
| 00986628 | 2 x 1 mL | 5X RT Buffer                         |

### QUALITY CONTROL

| Parameter                                     | Method  | Requirement    | Result   |
|---|---|----------------|----------|
| Unit definition                               | One unit of the enzyme incorporates 1 nmol of dTMP into a polynucleotide fraction in 10 min at 37 °C. | 200 U/μL ± 10% | Conforms |
| Endo-, exodeoxyribonucleases and phosphatases | Incubation of single stranded and double stranded radiolabeled oligonucleotides with enzyme.          | Not detectable | Conforms |
| Endodeoxyribonucleases (nicking activity)     | Incubation of supercoiled plasmid DNA with enzyme.  | Not detectable | Conforms |
| Ribonucleases                                 | Incubation of [ <sup>3</sup> H]-RNA with enzyme.  | Not detectable | Conforms |
| Functional testing                            | Functionally tested in first strand cDNA synthesis.   | Conforms       | Conforms |

#### ISO CERTIFICATION

Manufactured by Thermo Fisher Scientific Baltics UAB, in compliance with ISO 9001 and ISO 13485 certified quality management system.

Quality authorized by QC: **J. Žilinskienė**

