

## CERTIFICATE OF ANALYSIS

**ER1341 MssI (PmeI)**

**Packaging Lot: 2821697**

**Expiry Date: 31.07.2027 (DD.MM.YYYY)**

**Storage: at -20±5°C**

### Filling lots for components in package:

| Lot     | Quantity | Description      |
|---------|----------|------------------|
| 2765149 | 0.25 kU  | MssI (PmeI)      |
| 2758584 | 1 mL     | 10x Buffer B     |
| 2803057 | 1 mL     | 10x Buffer Tango |

### QUALITY CONTROL

| Parameter                                   | Method                                                                                                                                                                                                                                         | Requirement    | Result   |
|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------|
| Concentration                               | One unit is defined as the amount of enzyme required to digest 1 µg of lambda DNA/HindIII fragments in 1 hour at 37 °C in 50 µL of assay buffer.                                                                                               | 5 - 6 U/µL     | Conforms |
| Endo-exodeoxyribonucleases and phosphatases | Incubation of single stranded and double stranded labeled oligonucleotides with appropriate amount of enzyme for 4 hour at 37 °C in assay buffer.                                                                                              | Not detectable | Conforms |
| Star Activity                               | After 160-fold overdigestion (10 U/µg lambda DNA for 16 hours at 37 °C) with enzyme the fragmentation pattern is analysed. No detectable changes compared to the theoretical fragmentation pattern are considered as absence of star activity. | Not detectable | 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**

