

## CERTIFICATE OF ANALYSIS

**ER0542 Mspl (HpaII)**

**Packaging Lot: 2789461**

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

**Storage: at -20±5°C**

### Filling lots for components in package:

| Lot     | Quantity | Description      |
|---------|----------|------------------|
| 2782294 | 5 x 3 kU | Mspl (HpaII)     |
| 2759691 | 2 x 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 in 1 hour at 37 °C in 50 µL of assay buffer.   | 10 - 12 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**

