

CERTIFICATE OF ANALYSIS

ER0822 MbolI

Packaging Lot: 2848856

Expiry Date: 30.09.2027 (DD.MM.YYYY)

Storage: at -20±5°C

Filling lots for components in package:

| Lot | Quantity | Description |
|---------|----------|------------------|
| 2848856 | 1.5 kU | MbolI |
| 2804079 | 1 mL | 10x Buffer B |
| 2825056 | 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 (dam ⁻ , dcm ⁻) 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 10-fold overdigestion (10 U/µg lambda DNA (dam ⁻ , dcm ⁻) for 1 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**

