

## CERTIFICATE OF ANALYSIS

**ER0541 Mspl (HpaII)**

**Packaging Lot: 2874338**

**Expiry Date: 31.10.2027 (DD.MM.YYYY)**

**Storage: at -20±5°C**

### Filling lots for components in package:

Lot	Quantity	Description
2829754	3 kU	Mspl (HpaII)
2844360	2 × 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**

