

CERTIFICATE OF ANALYSIS

ER0541 Mspl (HpaII)

Packaging Lot: 2939343

Expiry Date: 31.10.2027 (DD.MM.YYYY)

Storage: at -20±5°C

Filling lots for components in package:

Lot	Quantity	Description
2829756	3 kU	Mspl (HpaII)
2922348	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**

