

## CERTIFICATE OF ANALYSIS

**ER0822 MbolI**

**Packaging Lot: 2868792**

**Expiry Date:** 30.11.2027 (DD.MM.YYYY)

**Storage:** at -20±5°C

### Filling lots for components in package:

Lot	Quantity	Description
2868792	1.5 kU	MbolI
2848749	1 mL	10x Buffer B
2844358	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 <sup>-</sup> , dcm <sup>-</sup> ) 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 <sup>-</sup> , dcm <sup>-</sup> ) 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**

