

## CERTIFICATE OF ANALYSIS

**EN0561**      **Lambda Exonuclease**

**Packaging Lot:** 2877478

**Expiry Date:** 30.09.2027 (DD.MM.YYYY)

**Storage:** at -20±5°C

### Filling lots for components in package:

Lot	Quantity	Description
2813711	1 kU	Lambda Exonuclease
2839874	1 mL	10X Reaction Buffer

### QUALITY CONTROL

Parameter	Method	Requirement	Result
Unit Concentration	One unit of the enzyme catalyzes the release of 10 nmol of acid soluble reaction products from double-stranded substrate in 30 minutes at 37 °C.	10 U/μL ± 10%	Conforms
Endodeoxyribonucleases (nicking activity)	Incubation of supercoiled plasmid DNA with enzyme.	Not detectable	Conforms
Functional test	Functionally tested for generating single-stranded DNA from double-stranded PCR product with one 5' phosphorylated strand.	Conforms	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**

