

CERTIFICATE OF ANALYSIS

EN0561 **Lambda Exonuclease**

Packaging Lot: 2823890

Expiry Date: 31.03.2026 (DD.MM.YYYY)

Storage: at -20±5°C

Filling lots for components in package:

Lot	Quantity	Description
2747199	1 kU	Lambda Exonuclease
01239890	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**

