

## CERTIFICATE OF ANALYSIS

**E00491 Proteinase K (rec.), PCR grade**

**Packaging Lot: 3123133**

**Expiry Date: 31.10.2028 (DD.MM.YYYY)**

**Storage: at -20±5°C**

### Filling lots for components in package:

Lot	Quantity	Description
3096554	1 mL	Proteinase K (rec.), PCR grade

### QUALITY CONTROL

Parameter	Method	Requirement	Result
Unit definition	One unit of the enzyme that liberates Folin-positive amino acids and peptides, corresponding to 1 µmol in 1 min. at 37 °C using denatured hemoglobin as substrate.	≥ 600 U/mL	Conforms
Endodeoxyribonucleases (nicking activity)	Incubation of supercoiled plasmid DNA with Proteinase K.	Not detectable	Conforms
Ribonucleases	Incubation of RNA transcript with Proteinase K.	Not detectable	Conforms
Endonucleases	Incubation of DNA standard with Proteinase K.	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**

