

## CERTIFICATE OF ANALYSIS

**EK0032 T4 Polynucleotide Kinase**

**Packaging Lot: 2805131**

**Expiry Date: 31.03.2026 (DD.MM.YYYY)**

**Storage: at -20±5°C**

### Filling lots for components in package:

Lot	Quantity	Description
2775723	2.5 kU	T4 Polynucleotide Kinase
2775732	2 x 1 mL	10X React Buffer A for T4 PNK (for forward reaction)
2779230	1 mL	10X React Buffer B for T4 PNK (for exchange reaction)
2775764	1 mL	24% PEG 6000 Sol for T4 PNK

### QUALITY CONTROL

Parameter	Method	Requirement	Result
Unit definition	One unit of enzyme transfers 1 nmol of $\gamma$ -phosphate from ATP to 5'-OH DNA at 37 °C in 30 min.	10 ± 1 U/ $\mu$ L	Conforms
Endodeoxyribonucleases (nicking activity)	Incubation of supercoiled plasmid DNA with enzyme.	Not detectable	Conforms
Ribonucleases	Incubation of [3H]-RNA with enzyme.	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**

