

CERTIFICATE OF ANALYSIS

SM0281 **Lambda DNA/EcoRI Marker**

Packaging Lot: 3057540

Expiry Date: 31.03.2028 (DD.MM.YYYY)

Storage: at -20±5°C

Filling lots for components in package:

Lot	Quantity	Description
2941879	5 × 50 µg	Lambda DNA/EcoRI
3031799	2 × 1 mL	6X DNA Loading Dye

QUALITY CONTROL

Parameter	Method	Requirement	Result
Appearance	Visual inspection.	Clear colorless solution	Conforms
Concentration	Spectrophotometrical measurement of absorption at 260 nm.	0.500 µg/µL ± 5%	Conforms
Identity	1 µg of the marker are analyzed by agarose gel electrophoresis in parallel with the same marker from a previous bulk lot. Band pattern is analyzed and compared to the pattern of the marker from the previous lot.	Fragments are visible and correspond to those from the previous bulk lot	Conforms
Deoxyribonucleases	Incubation of Lambda DNA/EcoRI at elevated temperature (37 °C) and analysis on agarose gel.	No changes in bands intensity, no smearing is observed after incubation	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**

