

## CERTIFICATE OF ANALYSIS

**SM0281**      **Lambda DNA/EcoRI Marker**

**Packaging Lot:** 2789163

**Expiry Date:** 30.06.2027 (DD.MM.YYYY)

**Storage:** at -20±5°C

### Filling lots for components in package:

| Lot     | Quantity  | Description        |
|---------|-----------|--------------------|
| 2788211 | 5 x 50 µg | Lambda DNA/EcoRI   |
| 2754837 | 2 x 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**

