

## CERTIFICATE OF ANALYSIS

**SM0222 pUC19 DNA/Mspl (HpaII) Marker**

**Packaging Lot:** 2899311

**Expiry Date:** 30.09.2027 (DD.MM.YYYY)

**Storage:** at -20±5°C

### Filling lots for components in package:

Lot	Quantity	Description
2811618	5 × 50 µg	pUC19 DNA/Mspl (HpaII) Marker
2870643	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 ladder is analyzed by agarose gel electrophoresis in parallel with the same composition ladder from a previous bulk lot.	13 fragments are visible and correspond to those from the previous bulk lot	Conforms
Deoxyribonucleases	1 µg of ladder is incubated for 16 hours at 37 °C and analyzed by agarose gel electrophoresis in comparison to control ladder.	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**

