

CERTIFICATE OF ANALYSIS

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

Packaging Lot: 2843699

Expiry Date: 30.09.2027 (DD.MM.YYYY)

Storage: at -20±5°C

Filling lots for components in package:

Lot	Quantity	Description
2811618	5 x 50 µg	pUC19 DNA/Mspl (HpaII) Marker
2804120	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 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**

