

CERTIFICATE OF ANALYSIS

SM0331 GeneRuler DNA Ladder Mix

Packaging Lot: 01014025

Expiry Date: 31.08.2024 (DD.MM.YYYY)

Storage: at -20±5°C

Filling lots for components in package:

Lot	Quantity	Description
00955204	5 x 50 µg	GeneRuler DNA Ladder Mix
00985311	2 x 1 mL	6X TriTrack 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 ± 4%	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.	21 fragments are visible and correspond to those from the previous bulk lot	Conforms
Deoxyribonucleases	Incubation of DNA Ladder Mix 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**

