

## CERTIFICATE OF ANALYSIS

### SM1481 NoLimits™ 800bp DNA Fragment

Packaging Lot: 2807518

Expiry Date: 31.08.2027 (DD.MM.YYYY)

Storage: at -20±5°C

#### Filling lots for components in package:

Lot	Quantity	Description
2779530	10 µg	NoLimits™ 800bp DNA Fragment

#### 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
A <sub>260</sub> /A <sub>280</sub>	Spectrophotometrical measurement.	1.80 – 2.00	Conforms
A <sub>260</sub> /A <sub>230</sub>	Spectrophotometrical measurement.	≥ 2.00	Conforms
Identity	0.5 µg of the DNA fragment is analyzed by agarose gel electrophoresis in parallel with the same DNA fragment from a previous bulk lot.	1 specific DNA fragment is visible and corresponds to that from the previous bulk lot	Conforms
Purity	0.005 µg of the fragment is analyzed by capillary electrophoresis on Agilent 2100 Bioanalyzer.	1 unique sharp peak is detected, with no additional peaks. Purity according to Bioanalyzer: 100%	Conforms
Deoxyribonucleases	0.5 µg of fragment is incubated for 16 hours at 37 °C and analyzed on agarose gel.	No changes in band 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. Žiliinskienė** 