

## CERTIFICATE OF ANALYSIS

**SM1461 NoLimits™ 600bp DNA Fragment**

**Packaging Lot: 2907819**

**Expiry Date: 31.01.2028 (DD.MM.YYYY)**

**Storage: at -20±5°C**

### Filling lots for components in package:

Lot	Quantity	Description
2895987	10 µg	NoLimits™ 600bp 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	Incubation of DNA Fragment at elevated temperature (37 °C) and analysis 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. Žilinskienė**

