

CERTIFICATE OF ANALYSIS

70032Z500UG Single-Stranded DNA Binding Protein (SSB)

Packaging Lot: 2805126

Expiry Date: 31.05.2025 (DD.MM.YYYY)

Storage: at -20±5°C

Filling lots for components in package:

Lot	Quantity	Description
2777384	100 µL	Single-Stranded DNA Binding Protein (SSB)

QUALITY CONTROL

Parameter	Method	Requirement	Result
Concentration	Spectrophotometrical measurement of absorption at 280 nm.	5.0 – 5.5 mg/ml	Conforms
Purity	SDS-Polyacrylamide gel analysis.	≥ 95%	Conforms
Single-stranded endonuclease	Incubation of circular single-stranded DNA with protein.	No detectable DNA degradation	Conforms
Double-stranded endonuclease	Incubation of supercoiled plasmid DNA with protein.	No detectable DNA degradation	Conforms
Single-stranded exonuclease	Incubation of single stranded labeled DNA with protein.	No detectable DNA degradation	Conforms
Double-stranded exonuclease	Incubation of double stranded labeled DNA with protein.	No detectable DNA degradation	Conforms
Ribonucleases	Incubation of RNA transcript with protein.	No detectable RNA degradation	Conforms
Functional Assay	Approximately 5 µg of SSB Protein prevent optical density change of 1 µg of single-stranded DNA upon addition of 10 mM MgCl ₂	Conforms	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**

