

## New England Biolabs Certificate of Analysis

**Product Name:** NEBExpress® Salt Active Nuclease  
**Catalog Number:** M0764S  
**Concentration:** 100,000 U/ml  
**Unit Definition:** One unit is defined as the amount of enzyme required to release 32 pmol of FAM from FAM-BHQ1 labeled hairpin oligonucleotide in 1 minute at 25°C in a 50 µl reaction in 25 mM Tris-HCl, 500 mM NaCl, 5 mM MgCl<sub>2</sub>, 0.005% Tween 20 (pH 8.5 @ 25°C).  
**Packaging Lot Number:** 10260732  
**Expiration Date:** 09/2026  
**Storage Temperature:** -20°C  
**Storage Conditions:** 25 mM Tris-HCl, 500 mM NaCl, 5 mM MgCl<sub>2</sub>, 50% Glycerol, (pH 7.5 @ 25°C)  
**Specification Version:** PS-M0764S/L v1.0

NEBExpress® Salt Active Nuclease Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
M0764SVIAL	NEBExpress® Salt Active Nuclease	10258561	Pass

Assay Name/Specification	Lot # 10260732
<b>Protease Activity (SDS-PAGE)</b> A 20 µl reaction in 25 mM Tris-HCl, 500 mM NaCl, 5 mM MgCl <sub>2</sub> (pH 8.5 @ 25C) containing 24 µg of a standard mixture of proteins and a minimum of 500 units of NEBExpress® Salt Active Nuclease incubated for 18 hours at 37°C, results in no detectable degradation of the protein mixture as determined by SDS-PAGE with Coomassie Blue detection.	Pass
<b>Protein Purity (Microfluidic Electrophoresis)</b> NEBExpress® Salt Active Nuclease is ≥95% pure as determined by microfluidic electrophoresis.	Pass

This product has been tested and shown to be in compliance with all specifications.

One or more products referenced in this document may be covered by a 3rd-party trademark. Please visit [www.neb.com/trademarks](http://www.neb.com/trademarks) for additional information.

*Beth M. Paschal*

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Beth Paschal  
Production Scientist  
20 Sep 2024

*Michael Tonello*

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Michael Tonello  
Packaging Quality Control Inspector  
25 Sep 2024