

# Saltonase

## HL-Nuclease

Cat. No. EN32  
CoA Version: 3.2019

### CERTIFICATE OF ANALYSIS

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<b>Product Name:</b>	Saltonase HL-Nuclease
<b>Catalog number:</b>	EN32
<b>Concentration:</b>	≥ 20 U/μl
<b>Unit definition:</b>	One unit (Kunitz) is defined as an increase in absorbance at 260 nm of 1.0 in 30 minutes at 37°C in 50 mM Tris-HCl buffer, pH 8.0 (25°C) supplemented with 5 mM MgCl <sub>2</sub> , 0.1 mg/ml BSA and 0.5 mg/ml herring sperm DNA as a substrate.
<b>LOT number:</b>	JBE745775
<b>Expiry Date:</b>	11.2021
<b>Storage conditions:</b>	-20°C in the freezer without a defrost cycle. For long-term storage place at -80°C freezer
<b>Storage Buffer:</b>	20 mM Tris-HCl (pH 7.5); 500 mM NaCl; 5 mM MgCl <sub>2</sub> ; 50% (v/v) glycerol
<b>Shipping conditions:</b>	Shipping on blue or dry ice
<b>Specification Version:</b>	PS-EN32-2.2019

## QUALITY CONTROL

Parameter	Specification	Analysis
Activity	$\geq 20$ U/ $\mu$ l (Kunitz)	20.76 U/ $\mu$ l (Kunitz)
Purity by SDS-PAGE Electrophoresis <sup>1</sup>	> 90%	Pass
Protease activity <sup>2</sup>	None detected	Pass

<sup>1</sup> The purity is > 90% as evaluated by SDS-PAGE electrophoresis.

<sup>2</sup> Protease activity is judged by incubation of 1  $\mu$ g of BSA with 100 U of enzyme for 20 hours at 37°C. Results are visualized on an polyacrylamide gel. No detectable degradation of the protein mixture as determined by SDS-PAGE with Coomassie Blue detection.

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

Quality authorized by: **Justyna Leibner-Ciszak**

Date: **14.02.2020**

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### PRODUCT USE LIMITATION

This product of Blirt S.A. has been developed for research purposes only and it is not suitable for human and animal therapeutic or diagnostic use.

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