



Specification

1.01695.0000 Benzonase® endonuclease EMPROVE® EXPERT

Specification

Appearance (description)	clear	
Appearance (color)	colorless	
Activity (DNA; pH 8.0; 30 min; 37 °C)	≥ 250	U/μl
Spec. activity (calc. on protein)	≥ 1.1•10 ⁶	U/mg
Identity (electrophoresis)	passes test	
Purity (calc. on protein)	≥ 99	%
Proteases	not detectable	
Al (Aluminium)	≤ 50	ppm
Co (Cobalt)*	≤ 0.5	ppm
Cr (Chromium)*	≤ 110	ppm
Cu (Copper)*	≤ 30	ppm
Fe (Iron)	≤ 130	ppm
Mn (Manganese)	≤ 25	ppm
Mo (Molybdenum)*	≤ 150	ppm
Ni (Nickel)*	≤ 2	ppm
Zn (Zinc)	≤ 130	ppm
Residual solvents (ICH Q3C)	excluded by production process	
Colony count (aerobic bacteria)	≤ 10 CFU in 100 000 U	
Colony count (Yeasts and moulds)	≤ 10 CFU in 100 000 U	
Endotoxins (LAL-test)	≤ 0.25 EU in 1000 U	

Elemental impurity specifications have been set considering ICH Q3D (Guideline for Elemental Impurities). Class 1-3 elements are not likely to be present above the ICH Q3D option 1 limit, unless specified and indicated (*).

The original manufacturer name and address will be disclosed subsequent to signing a confidentiality agreement.

Dr. Timm Schlegelmilch

Responsible laboratory manager quality control

This document has been produced electronically and is valid without a signature.