

CERTIFICATE OF ANALYSIS

Collagenase NB 5 Sterile Grade	Cat. No. :	N0002778
from <i>Clostridium histolyticum</i> ; EC 3.4.24.3	Lot. No. :	N18272

Parameter	Method	Specification	Result
Identification	Pattern of main bands	Must comply to Reference substance 3	complies
Tests	Loss on drying	4.0 – 10.0 %	7.7 %
Microbiological examination	Sterility*	Must comply	complies
	Absence of <i>Clostridia</i>	Must comply	complies
Assay	Collagenase (PZ activity, 25 °C)	≥ 0.10 U/mg	0.151 U/mg
	Proteolytic activity	Status	881 U/g
	Clostridiopeptidase A activity	400 – 2500 U/g	1524 U/g
	Ratio Clostridiopeptidase A activity : proteolytic activity	≤ 5.0	1.7

* Sterility performed according to Ph. Eur.

For customer information:

Origin	<i>Clostridium histolyticum</i>
Molecular weight	70 - 120 kDa (collagenases)
Appearance	light brown fine powder
Storage conditions	+ 2 to + 8 °C
Minimum shelf life	31.08.2029

Unit definitions:

Collagenase (PZ activity according to Wunsch)

1 Unit catalyzes the hydrolysis of 1 µmol 4-phenyl-azobenzyloxycarbonyl-L-prolyl-L-leucyl-glycyl-L-prolyl-D-arginine per minute at 25 °C, pH 7.1.

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