

CERTIFICATE OF ANALYSIS

LYSOZYME GRANULATE

Lot #	0939LG04
Item code#	105G04SHT
Date of Production	July 4 th , 2019
Best before end	July, 2020
Source	Hens egg-white
Description	White to off-white granulate
Storage	In original packaging at ambient temperature (NMT 30°C)

Identification	Specifications	Actual
Solubility (2%-aqua at 640 nm)	Minimum 95%	97 %
Purity on the anhydrous basis (w/w)	Minimum 95%	>95 %
Activity in FIP Units/mg protein	Minimum 39 x 10 ³	>39000

Chemical-physical properties	Specifications	Actual
pH (2%-aqua)	3.0 - 3.6	3.1
Water content	NMT 6.0%	4.9 %
Residue on ignition	NMT 1.5%	0.1 %
Chloride	NMT 3.5%	<3.5%
Nitrogen*	16.8-17.8 %	conform
Arsenic*	NMT 1 ppm	conform
Lead*	NMT 2 ppm	conform
Mercury*	NMT 1 ppm	conform
Heavy metals*	NMT 10 ppm	conform

Microbiological properties	Specifications	Actual
Total Bacterial Count	NMT 10 ² cfu/g	<10 cfu/g
Yeast & Mould Count	NMT 10 ¹ cfu/g	<10 cfu/g
Acetic acid bacteria	NMT 10 ² cfu/g	<10 cfu/g
Lactic acid bacteria	Absent in 10 g	Absent in 10 g
Enterobacteriaceae	Absent in 1 g	Absent in 1 g
Salmonellae	Absent in 100 g	Absent in 100 g
Staphylococcus aureus	Absent in 1 g	Absent in 1 g
Escherichia coli	Absent in 1 g	Absent in 1 g

* Nitrogen, arsenic, lead, mercury, heavy metals content testing are not routinely performed for product release.

Abbreviations:

NMT = Not more than
 NLT = Not less than
 cfu = colony forming units

DATE OF APPROVAL : August 20, 2019



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