

Certificate of Analysis

LYSOZYME GRANULATE

LYSOZYME HYDROCHLORIDE FOOD GRADE

Syn: Mucopeptide N-Acetylmuramyl hydrolase hydrochloride

Cat No:	CP-E5858D	Enzyme Commission (EC) Number	3.2.1.17
Lot No:	20220087CP	CAS:	9066-59-5
Date: Mfg:	Oct. 10, 2020	MDL No:	MFCD00131557
Expiration:	Oct. 09, 2025	EC No:	232-954-0
Storage:	Room Temp	M.F.:	C ₆₁₆ H ₉₆₃ N ₁₉₃ O ₁₈₂ S ₁₀ x HCl

Identification

Description
Solubility
Spectrophotometric o.a.b.
Assay
Activity (Turbidimetric assay) o.a.b.
(Conversion to FIP U/mg protein)
Chemical assay (spectrophotometric) o.a.b.
Physical-chemical properties
pH
Water content¹
Residue on ignition
Chloride content
Nitrogen content
Sodium content²
Arsenic³
Lead³
Mercury³

Specifications

White to off-white crystalline powder
Freely soluble in water
Min ABS at 252 nm
Max ABS at 281 nm
NLT 95 %
NLT 39 x 10³
NLT 95 %

3.0 - 3.6
NMT 6.0 %
NMT 1.5 %
3.2 - 4.2%
16.8-17.8 %
NMT 0.6%
NMT 1 ppm
NMT 2 ppm
NMT 1 ppm

Actual

Conform
Conform
Conform
Conform
100.2 %
40.080 FIP U/mg
99.9 %

3.0
5.6 %
1.5 %
3.9 %
17.6 %
Conform
Conform
Conform
Conform

Microbiological properties

Total bacterial count
Total yeast & mould count
Coliform
Salmonellae species
Staphylococcus aureus
Escherichia coli

NMT 10⁴ cfu/g
NMT 10² cfu/g
NMT 10¹ cfu/g
Absent in 25 g
Absent in 1 g
Absent in 1 g

≤10² cfu/g
≤10² cfu/g
≤10¹ cfu/g
Absent
Absent
Absent

¹as Loss on Drying

²Sodium content is not routinely performed for product release (statistical data).


³Arsenic, Lead and Mercury content are not routinely performed for product release (statistical data).

Abbreviations:

o.a.b = on anhydrous basis
NMT = Not more than
NLT = Not less than
cfu = colony forming units

Lysozyme hydrochloride from hen's egg white - food grade

Conforms to: E 1105 (EU), Food Chemical Code (FCC), Joint FAO-WHO Expert Committee Report on Food Additives (JECFA)

Mfg. By: Ovodan Eiprodukte GmbH & CO. KG (previously Sanovo GmbH) Frankenbosteler Kamp 4, DE 27404 Zeven (Germany), Quality Assurance: H.Beuker  QESH Manager Feed & Food, Bioseutica B.V. Distributor

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