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## Certificate of Analysis

**Product** **45822 - Lysozyme (3x cryst) ex. Egg white (Muramidase) for molecular biology, 15000U/mg - [12650-88-3]**

**Batch No** **2626754**

**Analysis Date** 05-Mar-2024

**Date of Manufacture** March 2024

**Expiry Date/Re-Test Date** March 2029

Test Parameters	Standards	Actual Results
Appearance (Colour)	White	White
Appearance (Form)	Crystalline powder	Crystalline powder
Solubility (Turbidity) 10% aq. solution	Clear	Clear
Solubility (Colour) 10% aq. solution	Colourless	Colourless
Chloride (Cl)	max. 3.5%	3.5%
Activity	min. 15000 units/mg powder	21739 units/mg powder
Nitrogen (N)	~17.5%	17.53%
Water (KF)	max. 5%	3.9%
Unit Definition	One unit of Lysozyme will produce a $\Delta A$ of 0.001 per minute at 450 nm at pH 6.24 at 25 °C using a suspension of <i>Micrococcus lysodeikticus</i> as substrate in a 2.6 mL reaction mixture.	Conforms
Enzyme solution for activity determination	Prepared in 0.1 M potassium phosphate buffer, pH 7.0.	Conforms
Not for medicinal use		.

FRM/82/11/4/45822 Rev No. 3 Date 17/09/2022

Prepared by **Dhanashree**

In compliance with the standard specifications of SRL

Plant Site 2 : H-4, MIDC, Talaja – 410 208, Maharashtra, India

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