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Certificate of Analysis

Product	13225 - α-Chymotrypsin ex. Porcine, 40U/mg protein - [9004-07-3]
Batch No	6064206
Analysis Date	05-Nov-2023
Date of Manufacture	November 2023
Expiry Date/Re-Test Date	November 2028

Test Parameters	Standards	Actual Results
Appearance (Colour)	White to off-white	Off-white
Appearance (Form)	Crystalline powder	Crystalline powder
Solubility (Turbidity) 0.1% aq. solution	Clear	Clear
Solubility (Colour) 0.1% aq. solution	Colourless to Pale yellow	Pale yellow
Activity	min. 40 BTEE units/ mg protein min. 7500 ATEE units/mg powder min. 1000 USP units/mg powder	50 BTEE units/mg protein 7876.7 ATEE units/mg powder 1050.2 USP units/mg powder
Protein content	min. 70%	71.2%
Unit Definition	1) One unit of α chymotrypsin will hydrolyze 1.0 μ mole of BTEE per minute at pH 7.8 at 25°C (1 BTEE unit = 29.5 NF/USPunit). 2) One unit of α chymotrypsin will hydrolyze 1.0 micromole of ATEE per minute at pH 7.0 at 25 °C (1 NF/USP unit = 7.5 ATEE units).	Conforms
Enzyme solution for activity determination	Prepared in 0.001 N HCl	Conforms

FRM/82/11/4/13225 Rev No. 1 Date 05/11/2023

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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