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Certificate of Analysis

Product	12151 - Alkaline Phosphatase (ALP, AP, CIP) ex. Calf Intestine Mucosa, 20 DEA U/mg solids - [9001-78-9]
Batch No	7186700
Analysis Date	03-Jun-2024
Date of Manufacture	June 2024
Expiry Date/Re-Test Date	June 2029

Test Parameters	Standards	Actual Results
Appearance (Colour)	Off-white to pale brown	Pale brown
Appearance (Form)	Crystalline powder	Crystalline powder
Activity	min. 20 DEA units/mg solids min. 25 DEA units/mg protein	37.9 DEA units/mg solid 47.5 DEA units/mg protein
Protein content	min. 80%	80%
Unit Definition	One unit will hydrolyze 1.0 micromole of p-nitrophenyl phosphate per minute at pH 9.8 at 37 °C using diethanolamine buffer. (3 DEA units = 1 Glycine unit)	Conforms
Enzyme solution for activity determination	Prepared in 0.1 M Diethanolamine buffer containing 0.25 mM magnesium chloride, pH 9.5.	Conforms

FRM/82/11/4/12151 Rev No. 4 Date 14/05/2023

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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