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## Certificate of Analysis

**Product**

**20374 - Trypsin ex. Porcine Gastric Mucosa for cell culture, 0.2 Anson U/g (2000U/g),(BET) 0.05EU/mg powder - [9002-07-7]**

**Batch No**

**2510427**

**Analysis Date**

03-Dec-2024

**Date of Manufacture**

December 2024

**Expiry Date/Re-Test Date**

December 2029

| Test Parameters                                | Standards                                                                                                                                                                                   | Actual Results                                         |
|------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| Appearance (Colour)                            | White                                                                                                                                                                                       | White                                                  |
| Appearance (Form)                              | Crystalline powder                                                                                                                                                                          | Crystalline powder                                     |
| Solubility (Turbidity) 1% aq. solution         | Clear                                                                                                                                                                                       | Clear                                                  |
| Solubility (Colour) 1% aq. solution            | Colourless                                                                                                                                                                                  | Colourless                                             |
| Activity                                       | min. 0.2 Anson units/g powder, min. 50 BAEE units/mg powder                                                                                                                                 | 0.4 Anson units/g powder<br>101.7 BAEE units/mg powder |
| Suitability for Cell Culture                   | Passes test                                                                                                                                                                                 | Passes                                                 |
| Bacterial Endotoxin Test (BET) (EU/mg = IU/mg) | < 0.05 EU/mg                                                                                                                                                                                | Passes                                                 |
| Unit Definition                                | One BAEE unit of Trypsin activity will produce $\Delta A$ at 253 nm of 0.001 per minute with BAEE as substrate at pH 8.0 at 25 °C in a reaction volume of 3.0 mL.<br>BAEE units = 1 NF unit | Conforms                                               |
| Enzyme solution for activity determination     | Prepared in 0.001 N Tris HCl.                                                                                                                                                               | Conforms                                               |

FRM/82/11/4/20374 Rev No. 5 Date 17/09/2022

Prepared by **Dhanashree**

In compliance with the standard specifications of SRL

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

608-B, Satellite Gazebo, Andheri Ghatkopar Link Road,  
Chakala, Andheri (E), Mumbai - 400 099. India. ☎ +91-22-4268 5800

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