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Certificate of Analysis

Product **50362 - Bile Salts BactoBio for bacteriology**
Batch No **8935917**
Analysis Date 18-Jun-2024
Date of Manufacture June 2024
Expiry Date/Re-Test Date June 2027

| Test Parameters | Standards | Actual Results |
|-------------------------------------|---|----------------|
| Appearance (Colour) | Yellowish green | Complies |
| Appearance (Form) | Free flowing, homogeneous powder | Complies |
| Solubility (Colour) 2% aq. solution | Yellow, clear | Complies |
| Clarity of solution | 1% w/v aq. solution is clear and free from extraneous matter | Complies |
| pH (25°C) | 5.5 - 7.0 (2%) | 7.00 Complies |
| Stability (After autoclaving) | Yellow, clear without any precipitate or scum on the surface of the solution | Complies |
| Loss on drying | < 5.0% | 3.37% Complies |
| Total Aerobic microbial count | (By Plate Count Method) : <= 10, 000 cfu/gm | Complies |
| Cultural Response | Inoculated and incubated at 37°C for 18 - 24 hours. (MacConkey Agar prepared using Bile Salts as ingredient) | |
| Organism | Escherichia coli ATCC 25922 (pink to red colonies with bile precipitate) | |
| Inoculum (cfu) 10-100 | Growth : Good | Complies |
| Organism | Salmonella typhimurium ATCC 14028 | |
| Inoculum (cfu) 10-100 | Growth : Good, Colony colour : Colourless | Complies |
| Organism | Staphylococcus aureus ATCC 25923 | |
| Inoculum (cfu) 10-100 | Growth : Inhibited | Complies |
| Deoxycholic acid-sodium salt | ~ 50.00% | Complies |
| Cholic acid-sodium salt | ~ 50.00% | Complies |
| Substance insoluble in 84% ethanol | < 0.1% | Complies |
| Storage | 8° - 25° C | |

FRM/82/11/3/50362 Rev No. 1 Date 25/05/2021

Prepared by **Samrudhi**

In compliance with the standard specifications of SRL

Plant Site 1 : D-88/2, MIDC, Turbhe – 400 705, New Mumbai, India

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

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