



Certificate of Analysis

Product **10453 - Plate Count Agar**
Batch No **2514101**
Analysis Date 21-May-2024
Date of Manufacture May 2024
Expiry Date/Re-Test Date May 2027

Test Parameters	Standards	Actual Results
Appearance (Colour)	Light cream.	Complies
Appearance (Form)	Free flowing, homogeneous powder.	Complies
Solubility	17.50 gm/liter	Complies
Solubility before autoclaving (Clarity)	Clear to very slightly opalescent.	Complies
Gel strength (1.5% gel)	Firm, comparable with 1.5 % gel.	Complies
pH (25°C)	7.0 ± 0.2	7.18 Complies
Prepared Medium Appearance after autoclaving (Clarity)	Clear to very slightly opalescent.	Complies
Prepared Medium Appearance after autoclaving (Colour)	Light amber.	Complies
Cultural Response	Inoculate and incubate at 37°C for 18-24 hours.	
Organism	Staphylococcus aureus ATCC 25923	
Inoculum (cfu) 10-100	Growth : Good,Recovery Rate : >=70%	Complies
Organism	Enterococcus faecalis ATCC 29212	
Inoculum (cfu) 10-100	Growth : Good,Recovery Rate : >=70%	Complies
Organism	Bacillus subtilis ATCC 6633	
Inoculum (cfu) 10-100	Growth : Good,Recovery Rate : >=70%	Complies
Organism	Streptococcus pyogenes ATCC 19615	
Inoculum (cfu) 10-100	Growth : Good,Recovery Rate : >=70%	Complies
Organism	Escherichia coli ATCC 25922	
Inoculum (cfu) 10-100	Growth : Good,Recovery Rate : >=70%	Complies
Organism	Lactobacillus casei ATCC 9595	
Inoculum (cfu) 10-100	Growth : Good,Recovery Rate : >=70%	Complies
Organism	Lactobacillus acidophilus ATCC 11506	
Inoculum (cfu) 10-100	Growth : Good,Recovery Rate : >=70%	Complies