



Certificate of Analysis

Product **37547 - Starch Agar**
Batch No **5014467**
Analysis Date 08-Jun-2024
Date of Manufacture June 2024
Expiry Date/Re-Test Date June 2027

Test Parameters	Standards	Actual Results
Appearance (Colour)	Light cream	Complies
Appearance (Form)	Free flowing, homogeneous powder	Complies
Solubility	25.00 gms/liter	Complies
Solubility before autoclaving (Clarity)	Very slightly opalescent	Complies
Gel strength	Firm, comparable with 1.5% agar gel	Complies
pH (25°C)	7.5 ± 0.2	7.69 Complies
Prepared Medium Appearance after autoclaving (Clarity)	Very slightly opalescent	Complies
Prepared Medium Appearance after autoclaving (Colour)	Light amber	Complies
Cultural Response	Inoculate and incubate at 37°C for 18 -4 8 hours	
Organism	Escherichia coli ATCC 25922	
Inoculum (cfu) 10-100	Growth : Good Starch hydrolysis : (-ve)	Complies
Organism	Staphylococcus aureus ATCC 25923	
Inoculum (cfu) 10-100	Growth : Good Starch hydrolysis : (-ve)	Complies
Organism	Streptococcus pyogenes ATCC 19615	
Inoculum (cfu) 10-100	Growth : Good Starch hydrolysis : (-ve)	Complies
Organism	Bacillus subtilis ATCC 6633	
Inoculum (cfu) 10-100	Growth : Good Starch hydrolysis : (+ve)	Complies
Key	(+) = Starch hydrolysis is indicated by a colourless zone around the colonies after addition of Iodine Reagent. (-) = A blue or purple zone indicates that the starch has not been hydrolysed. after addition of Iodine Reagent.	