

**HiMedia Laboratories Private Limited**

C-40, Road No.21Y, MIDC, Wagle Ind. Area,Thane(W) - 400604

Website : www.himedialabs.com, Email : info@himedialabs.com

**Certificate of Analysis , Quality and Conformity**

<b>Material Code : RM027</b>	<b>Material Name :</b> Yeast Extract Powder	<b>Lot No : 0000542706</b>
<b>AR No.: 40001255234</b>	<b>Date of Report : 2022-07-09</b>	<b>Exp. Date : 2027-06</b>
<b>TEST</b>	<b>SPECIFICATIONS</b>	<b>RESULTS</b>
<b><u>Appearance</u></b> 1 Colour of powder 2 Nature 3 Consistency 4 Odour	Light yellow to brownish yellow Homogenous Free flowing powder Characteristic odour but not putrescent.	Yellow Complies Complies Complies
<b><u>Solubility</u></b> 1 Solubility	Freely soluble in distilled/ purified water, insoluble in alcohol.	Complies
<b><u>Clarity</u></b> 1 Clarity	2% w/v aqueous solution remains clear and neutral without any haziness after autoclaving at 15 lbs pressure (121°C) for 15 minutes.	Complies
<b><u>Reaction</u></b> 1 Reaction	Reaction of 2% w/v aqueous solution at 25°C.	-
pH	6.50 - 7.50	6.95
<b><u>Microbial Load</u></b> 1 Total aerobic microbial count (cfu/gm) 2 total aerobic microbial count (cfu/gm) 3 Total yeast and mold count (cfu/gm) 4 total yeast and mold count (cfu/gm)	By plate method, when incubated at 30-35°C for not less than 3 days. ≤ 2000 By plate method, when incubated at 20-25°C for not less than 5 days. ≤ 100	- 10 - 7
<b><u>Test for Pathogens</u></b> 1 Test for pathogens	1. E.coli-Negative in 10 gms of sample 2. Salmonella species-Negative in 10 gms of sample 3. Pseudomonas aeruginosa- Negative in 10 gms of sample 4. Staphylococcus aureus- Negative in 10 gms of sample 5. C.albicans- Negative in 10 gms of sample 6. Clostridia- Negative in 10 gms of sample	Absent

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<b><u>Indole test</u></b>		
1 Indole	Tryptophan content: Passes	Complies
<b><u>Test for coagulable protein</u></b>		
1 Test for coagulable protein	As per method specified in USP 37,NF32. No formation of precipitate	Complies
<b><u>Cultural response</u></b>		
1 Cultural response	Cultural response observed after incubation at 35-37°C for 18-24 hours by preparing Plate Count Agar (M091) and Plate Count Hiveg™ Agar (MV091) using Yeast extract powder as an ingredient.	
<b><u>Bacillus subtilis subsp. Spizizenii ATCC 6633 (WDCM 00003)</u></b>		
1 Growth	Luxuriant	Complies
<b><u>Enterococcus faecalis ATCC 29212(WDCM 00087)</u></b>		
1 Growth	Luxuriant	Complies
<b><u>Escherichia coli ATCC 25922 (WDCM 00013)</u></b>		
1 Growth	Luxuriant	Complies
<b><u>Lactobacillus rhamnosus ATCC 9595</u></b>		
1 Growth	Luxuriant	Complies
<b><u>Staphylococcus aureus subsp. aureus ATCC 25923 (WDCM 00034)</u></b>		
1 Growth	Luxuriant	Complies
<b><u>Streptococcus pyogenes ATCC 19615</u></b>		
1 Growth	Luxuriant	Complies

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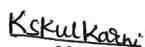
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<b><u>Chemical Analysis</u></b>		
1 Total Nitrogen	≥ 10.50%	11.23%
2 Amino Nitrogen	≥ 4.50%	6.25%
3 Sodium chloride	≤ 5%	0.03%
4 Loss on drying	≤ 6%	5.16%
5 Residue on ignition	≤ 15%	13.22%


**STATUS OF THE MATERIAL : APPROVED**

This is to certify that this lot passes and it confirms to the above mentioned tests and specifications . The information given here is believed to be correct and accurate, however, both the information and products are offered without warranty for any particular use, other than that specified in the current HiMedia manual or product sheets.

**This document has been produced electronically and is valid**



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