



ISO 9001:2015 CERTIFIED

**TITAN BIOTECH LIMITED**

AN ISO 9001:2015 CERTIFIED COMPANY

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Ref. No.: TBL/QA/SS/MB/242M	STANDARD SPECIFICATION	Rev. No. : 02
Issue No. : 03		Review Date : 31/01/2021
Issue Date : 01/02/2018		Product Code: 242 M
AGAR AGAR TYPE-I (Bacteriological Grade)		

PHYSICAL PARAMETERS

S. No.	PRODUCT PARAMETERS	SPECIFICATION
1.	Appearance	Yellowish to creamish colour free flowing powder.
2.	Solubility (2% soln. at 90°C)	Soluble in hot water. Near to clear.
3.	Clarity (1% Soln. at 121°C)	Near to clear, light yellowish colour jelly liquid.

CHEMICAL PARAMETERS

S. No.	PRODUCT PARAMETERS	SPECIFICATION
1.	pH (2% Soln. at 25 °C)	6.0 – 7.0
2.	Loss on drying (at 105 °C)	NMT – 18.0%
3.	Acid Insoluble Ash	NMT – 0.5%
4.	Gelling Temp.	42 – 44°C
5.	Melting Temp.	85 – 88°C
6.	Total Ash	NMT – 5.0%
7.	Gel Strength (1.5% Gel)	NLT – 650 gm/cm ²
8.	Starch Test/ Gelatin Test	Negative

MICROBIAL PARAMETERS

S. No.	PRODUCT PARAMETERS	SPECIFICATION
1.	Total viable count	NMT – 10,000 cfu/gm
2.	<i>Escherichia coli</i>	Negative
3.	<i>Salmonella spp.</i>	Negative
4.	<i>Staphylococcus aureus</i>	Negative
5.	Yeast & moulds	NMT – 100 cfu/gm

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