



# TITAN BIOTECH LIMITED

AN ISO 9001:2015 CERTIFIED COMPANY



TITAN BIOTECH Corp. Office: 903-909, 9th Floor, Bigjos Tower, Netaji Subhash Place, Delhi-110034, INDIA

R.O. & Works:

Unit-I: A-902-A, RIICO Industrial Area, Phase-III, Bhiwadi, Alwar, Rajasthan-301019, INDIA

Unit-II: E-540, Industrial Area, Chopanki, Bhiwadi, Alwar, Rajasthan-301019, INDIA

C.I.N. – L74999RJ1992PLC013387

Customer Care Cell: +91-11-71239900, [customercare@titanmedia.in](mailto:customercare@titanmedia.in)

## QUALITY ASSURANCE DEPARTMENT

### CERTIFICATE OF ANALYSIS

Name of the Product	: AGAR AGAR TYPE-I	Product Code	: 242 M
Batch No.	: B2E2GU01	A. R. No.	: TB/B/200706-016
Mfg. Date	: Jul. - 2020	Date of Receipt	: 06/07/2020
Best Before	: Jun. - 2024	Date of Completion:	12/07/2020

### PHYSICAL PARAMETERS

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

### CHEMICAL PARAMETERS

S. No.	PRODUCT PARAMETERS	SPECIFICATION	RESULT
1.	pH (2% Soln. at 25°C)	6.0 – 7.0	6.12
2.	Loss on drying (at 105°C)	NMT – 18.0%	9.62%
3.	Acid Insoluble Ash	NMT – 0.5%	0.31%
4.	Gelling Temp.	42 – 44°C	43°C
5.	Melting Temp.	85 – 88°C	87°C
6.	Total Ash	NMT – 5.0%	2.86%
7.	Gel Strength (1.5% Gel)	NLT – 900 g/cm <sup>2</sup>	975 g/cm <sup>2</sup>
8.	Starch Test/ Gelatin Test	Negative	Complies

### MICROBIAL PARAMETERS

S. No.	PRODUCT PARAMETERS	SPECIFICATION	RESULT
1.	Total viable count	NMT – 10,000 cfu/g	140 cfu/g
2.	<i>Escherichia coli</i>	Negative	Complies
3.	<i>Salmonella spp.</i>	Negative	Complies
4.	<i>Staphylococcus aureus</i>	Negative	Complies
5.	Yeast & Moulds	NMT – 100 cfu/g	Nil

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