



TITAN BIOTECH LIMITED

AN ISO 9001:2015 CERTIFIED COMPANY



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

QUALITY ASSURANCE DEPARTMENT

CERTIFICATE OF ANALYSIS

Name of the Product	: AGAR AGAR POWDER	Product Code	: 1201
Batch No.	: B1CA1EU01	A. R. No.	: TB/B/200523-051
Mfg. Date	: May. - 2020	Date of Receipt	: 23/05/2020
Best Before	: Apr. - 2024	Date of Completion:	29/05/2020

PHYSICAL PARAMETERS

S. No.	PRODUCT PARAMETERS	SPECIFICATION	RESULT
1.	Appearance	Off white to creamish color 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 jelly. No ppt.	Complies

CHEMICAL PARAMETERS

S. No.	PRODUCT PARAMETERS	SPECIFICATION	RESULT
1.	pH (2% Soln. at 25°C)	6.0 – 7.0	6.03
2.	Loss on drying (at 105°C)	NMT – 18.0%	12.03%
3.	Acid Insoluble Ash	NMT – 0.5%	0.22%
4.	Gelling Temp.	38 – 40°C	40°C
5.	Melting Temp.	85 – 88°C	87°C
6.	Total Ash	NMT – 5.0%	1.50%
7.	Gel Strength (1.5% Gel)	NLT – 750 gm/cm ²	776 gm/cm ²
8.	Heavy Metals (Pb)	NMT – 20 ppm	Complies

MICROBIAL PARAMETERS

S. No.	PRODUCT PARAMETERS	SPECIFICATION	RESULT
1.	Total viable count	NMT – 10,000 cfu/gm	110 cfu/gm
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/gm	Nil

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