



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

QUALITY ASSURANCE DEPARTMENT

CERTIFICATE OF ANALYSIS

Name of the Product	: MALT EXTRACT PASTE (Bacteriological Grade)	Product Code	: 1298
Batch No.	: B1CJ8CLU01	A. R. No.	: TB/B/201219-082
Mfg. Date	: Dec. - 2020	Date of Receipt	: 19/12/2020
Best Before	: Nov. - 2022	Date of Completion:	25/12/2020

PHYSICAL PARAMETERS

S. No.	PRODUCT PARAMETERS	SPECIFICATION	RESULT
1.	Appearance	Light brown colour thick paste having sweet malty smell.	Complies
2.	Solubility (2% soln. at 25°C)	Soluble in distilled water, clear solution.	Complies
3.	Clarity (2% Soln. at 121 °C.)	Clear solution. No ppt.	Complies

CHEMICAL PARAMETERS

S. No.	PRODUCT PARAMETERS	SPECIFICATION	RESULT
1.	pH (2% Soln. at 25°C)	5.0 – 6.0	5.25
2.	Total Carbohydrates	NLT – 45.0%	45.68%
4.	Total Solid	NLT – 70.0%	72.13%

MICROBIAL PARAMETERS

S. No.	PRODUCT PARAMETERS	SPECIFICATION	RESULT
1.	Total viable count	NMT – 10,000 cfu/gm	170 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

GROWTH PROMOTION TEST

Cultural Characteristic observed in 2%Malt Extract Paste and 1.5% agar after incubation at 35-37°C for 18-24 hours

S. No.	MICROORGANISMS	ATCC	GROWTH	RESULT
1.	<i>Aspergillus brasiliensis</i>	16404	Good-Luxuriant	Complies
2.	<i>Candida albicans</i>	10231	Good-Luxuriant	Complies
3.	<i>Saccharomyces cerevisiae</i>	9763	Good-Luxuriant	Complies

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