

Certificate of Analysis

Agar ep

Lot No:

Net Weight:

CA-1101

Mfd:

Exp:

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	6.5
2.	Loss on drying (at 105°C)	NMT – 18.0%	12.07%
3.	Acid Insoluble Ash	NMT – 0.5%	0.24%
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	778 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	140 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

Incubation:24 hrs:37°c

Result of control test is acceptable.