

RAWPHARMA BIZ PVT LTD
1101-CITY CENTRE-2
SCIENCE CITY ROAD, SOLA
AHMEDABAD, 380060
GUJARAT, INDIA

CERTIFICATE OF ANALYSIS

PRODUCT NAME	Guar Gum
GRADE	IP/BP/USP

E-mail-neelkanth.deno@gmail.com
WEBSITE- www.neelkanthinechem.in

S. NO	TEST PERFORMED	LIMIT	RESULTS
1	DESCRIPTION	Almost white to yellowish white powder.	COMPLIES
2	SOLUBILITY	Practically insoluble in ethanol (95%).	COMPLIES
3	IDENTIFICATION (As per I.P.)	A) Examined under microscope, irregular, angular particles of various sizes and shapes are seen. B) To 0.1 g add 1ml of 0.2M iodine, the mixture does not acquire an olive-green color. C) No blue color is produced. D) Do not acquire a pink color.	COMPLIES
4	ALKALINITY/ ACIDITY	Neutral to litmus paper.	COMPLIES
5	TANNIN	To 5ml of a 0.5% solution add 0.1 ml of ferric chloride test sol; , no bluish black color is produced.	COMPLIES
6	HEAVY METALS	NMT 20 ppm	COMPLIES
7	ARSENIC	NMT 3 ppm	COMPLIES
8	PROTEIN	NMT 5.0%	4.15% W/W
9	ACID INSOLUBLE MATTER	NMT 3.0%	1.72%
9	LOSS ON DRYING	NMT 13.0%	9.16% W/W
10	ASH	NMT 2.0% (I.P.), NMT 1.5% (FCC)	0.60% W/W
11	MICROBIAL LIMIT	Total bacterial count does not exceed 5000 per gram. 1g is free from E coli and 10g is free from salmonellae.	COMPLIES

Other Parameters

1.	IDENTIFICATION (As per FCC)	a) An opalescent viscous dispersion form. b) No appreciable increase in viscosity develops	Complies Complies
2.	Viscosity (By Brookfield viscometer spindle no. 3 or 4 @ 20RPM and 25°C)	5000cps to 6000cps.	5200cps.
3.	Residue on 200 Mesh BSS Sieve	NMT 1%	0.73%
4.	GALACTOMANNANS	NLT 70%	74.25%
5.	Lead	NMT 0.001%	Complies
6.	pH	5.5 to 7.0	6.3

REMARK—The above material passes as per FCC as well as I.P requirements.