

# ADARSH GUAR GUM UDYOG

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Date: 18/01/2024

## CERTIFICATE OF ANALYSIS

Po. No. :	HN-549			Date: 17.01.2024
Product :	GUAR GUM POWDER (5000-5500 CPS)			
Manufacturing Date :	17/01/2024		Expiry Date : 16/01/2026	
PARAMETER	SPECIFICATION	UNIT	TOLERANCE	RESULTS
				AC-641
Appearance / Powder form	White to off white			White to off white
Solution Color	White			White
Odor	Odor Less			Odor Less
Solubility in cold water	Good			Good
Test for galactose	Pass			Pass
Test for mannose	Pass			Pass
Loss on Drying	15	%	MAX	9.98
Starch	Absent		ABSENT	Absent
Ash	0.70	%	MAX	0.56
Protein	4.50	%	MAX	4.20
Fiber	1	%	MAX	0.10
Oil / Fat	0.5	%	MAX	N.D.
Acid Insoluble Residue	3	%	MAX	2.44
Residual Solvents	1	%	MAX	0.15
Galactomannan	80	%	MIN	82.57
PH	5.5 to 6.4	%	5.5 – 6.4	6.4
<b>Viscosity</b>				
1% DW, Brookfield RV, Spindle-04, 25 °C				
After 2 Hours	5000	CPS	MIN	5250
After 24 Hours	5100	CPS	MIN	5370
<b>Heavy Metals</b>				
Lead	2	Ppm	MAX	0.3
Total Heavy Metal ( as Pb )	10	ppm	MAX	5
Cadmium	1	ppm	MAX	0.1
Mercury	1	ppm	MAX	0.1
Arsenic	3	ppm	MAX	0.3
Borate	N.D.	-	N.D.	N.D.
Organic Peroxides	0.7	meq	MAX	N.D.
Furfural	1	mg/kg	MAX	N.D.
Pentachlorophenol	0.01	mg/kg	MAX	N.D.
<b>Microbiology</b>				
Total Plate Count	5000	Cfu / gram	MAX	300
Yeasts and Molds	500	Cfu / gram	MAX	100
E. Coli	NEGATIVE	1 gram	NEGATIVE	NEGATIVE
Salmonella	NEGATIVE	25 gram	NEGATIVE	NEGATIVE
Coliform	NEGATIVE	1 gram	NEGATIVE	NEGATIVE
Aflatoxin	NEGATIVE	-	NEGATIVE	NEGATIVE
Pseudomonas	NEGATIVE	5 gram	NEGATIVE	NEGATIVE
Staph. Aureus	NEGATIVE	10 gram	NEGATIVE	NEGATIVE
<b>Granulometry</b>				
On 200 Mesh	2.0	%	MAX	0.45
Thru 200 Mesh	98.0	%	MIN	99.55
Bags :				400.00
Container No.	MRSU0278282			

Note:- Viscosity by Brookfield viscometer RVT at 20rpm, spindle no-04, 25°C 1% solution stirring upto 9 minutes  
( 4gm Guar Gum Powder and 396gm Distilled Water)

FOR ADARSH GUAR GUM UDYOG

