



United Gums Industries (Pvt.) Ltd.

APPLICATIONS

Food Applications

Meat Products



Frozen Foods



Sauces & Pickles



Pet Foods



Baked Foods



Confectionary



Dairy Products



Beverages



Industrial Applications

Oil Well Drilling



Mining



Textile Printing



Paper Industry



Tobacco



Cosmetics



Tooth Paste & Shaving Cream



Pharmaceuticals



United Gums Industries (Pvt.) Ltd.

Plot No. 9 & 9/1, Sector 27, Korangi Industrial Area, Karachi - 74900, Pakistan.

Tel: (+92-21) 35052491, 35052492 Fax: (+92-21) 35052493

Email: info@unitedgums.com & unitedgums@gmail.com

Web: www.unitedgums.com



United Gums Industries (Pvt.) Ltd.



United Gums Industries (Pvt.) Ltd.
One of the latest Guar Gum Projects in Pakistan.
The only ORGANIC CERTIFIED Co. in Pakistan.

www.unitedgums.com



United Gums Industries (Pvt.) Ltd.



Introducing Organic Certified Products

ORGANIC CERTIFICATION OBTAINED FROM CONTROL UNION CERTIFICATIONS B. V. IN ORGANIC EU, USDA-NOP & US-CANADA



Introduction

INTRODUCTION

The highly purified Guar Gum is obtained from the ground endosperm of *Cyamopsis tetragonolobus* (leguminosae). It consists mainly of high molecular weight hydro colloidal polysaccharide composed of galactose and mannose units combined through glycoside linkages. Which may be described as galactomannan. It is white to yellowish white, nearly odorless powder dispersed in both hot and cold water forming a solution. Having a pH between 5.5-7.5 Guar Gum has ability to rapidly hydrate in water to produce highly viscous solution.

Product Standards according to Codex Alimentarius for Guar Gum (INS# 412 E)

Product Types

PRODUCT TYPES

We produce and Export the following three core products.

1. Organic / Conventional Guar Gum Powder



2. Organic / Conventional Guar Dehusked Splits



3. Organic / Conventional Guar Meal Semi-Roasted



Specifications

SPECIFICATIONS According to codex Alimentarius

Organic Guar Gum Powder

ORGANIC GUAR GUM FOOD GRADE	UG 35-45	UG 50-55	UG 60	UG 60-65	Codex Alimentarius Net Requirement
According to INS# 412 E					
Viscosity 1% Cold water @ 25 °C. Brookfield Viscometer RVT Spindle No. 4. RPM 20 (2hours) CPS	3500-4500	5000-5500	6000	6000-6500	
Moisture %	11.5 Max	11.0 Max	10.0 Max	8.00 Max	15.0 Max
Ash %	1.00 Max	1.00 Max	1.00 Max	1.00 Max	1.5 Max
Protein %	5.50 Max	5.0 Max	4.50 Max	4.5 Max	10 Max
Acid Insoluble Residue %	4.00 Max	3.00 Max	2.50 Max	2.50 Max	7.0 Max
Gum Content %	78.0 Min	80.0 Min	82.0 Min	84.0 Min	65.0 Min
pH	5.5 – 7.0	6.0 – 7.5	6.5 – 7.5	6.5 – 7.5	6.0 – 8.0
Mesh % Through 200	95 Min	95 Min	95 Min	95 Min	95 Min
Total Plate Count (cfu/gm)	5000 Max	5000 Max	5000 Max	5000 Max	5000 Max
Yeast (cfu/gm)	100 Max	100 Max	100 Max	100 Max	500 Max
Mould (cfu/gm)	200 Max	200 Max	200 Max	200 Max	500 Max
E.Coli / gm	Negative	Negative	Negative	Negative	Negative
Salmonella /25 gm	Negative	Negative	Negative	Negative	Negative
Arsenic (ppm)	1.0 Max	1.0 Max	1.0 Max	1.0 Max	1.0 Max
Lead (ppm)	2.0 Max	2.0 Max	2.0 Max	2.0 Max	2.0 Max
Heavy Metals (ppm)	5.0 Max	5.0 Max	5.0 Max	5.0 Max	5.0 Max

Specifications

SPECIFICATIONS According to codex Alimentarius

Conventional Guar Gum Powder

GUAR GUM FOOD GRADE	UG 35-45	UG 50-55	UG 60	UG 60-65	Codex Alimentarius Net Requirement
According to INS# 412 E					
Viscosity 1% Cold water @ 25 °C. Brookfield Viscometer RVT Spindle No. 4. RPM 20 (2hours) CPS	3500-4500	5000-5500	6000	6000-6500	
Moisture %	11.5 Max	11.0 Max	10.0 Max	8.00 Max	15.0 Max
Ash %	1.00 Max	1.00 Max	1.00 Max	1.00 Max	1.5 Max
Protein %	5.50 Max	5.0 Max	4.50 Max	4.5 Max	10 Max
Acid Insoluble Residue %	4.00 Max	3.00 Max	2.50 Max	2.50 Max	7.0 Max
Gum Content %	78.0 Min	80.0 Min	82.0 Min	84.0 Min	65.0 Min
pH	5.5 – 7.0	6.0 – 7.5	6.5 – 7.5	6.5 – 7.5	6.0 – 8.0
Mesh % Through 200	95 Min	95 Min	95 Min	95 Min	95 Min
Total Plate Count (cfu/gm)	5000 Max	5000 Max	5000 Max	5000 Max	5000 Max
Yeast (cfu/gm)	100 Max	100 Max	100 Max	100 Max	500 Max
Mould (cfu/gm)	200 Max	200 Max	200 Max	200 Max	500 Max
E.Coli / gm	Negative	Negative	Negative	Negative	Negative
Salmonella /25 gm	Negative	Negative	Negative	Negative	Negative
Arsenic (ppm)	1.0 Max	1.0 Max	1.0 Max	1.0 Max	1.0 Max
Lead (ppm)	2.0 Max	2.0 Max	2.0 Max	2.0 Max	2.0 Max
Heavy Metals (ppm)	5.0 Max	5.0 Max	5.0 Max	5.0 Max	5.0 Max

Organic / Conventional Guar Dehusked Splits

S.NO.	SPECIFICATIONS	PERCENTAGE
1	Dehusking Rate	93.00% Min
2	Odor	Odorless
3	Moisture	10.00% Max
4	Black Splits	0.5% Max
5	Red Splits	0.5% Max
6	Broken Splits	1.00% Max
7	Protein	4.00% Max
8	Acid Insoluble Residue (A.I.R.)	2.0% Max
9	Fiber	0.5% Max
10	Acid Insoluble Ash	0.3% Max
11	Gum by Difference	84% (By Difference)
12	Ultimate Viscosity	6600-7000 CPS

Organic / Conventional Guar Meal Semi-Roasted

S.NO.	SPECIFICATIONS	PERCENTAGE
1	Moisture	3-5%
2	Crude Protein	39.42%
3	Oil	4-6%
4	Fiber	11-14%
5	Ash	4-5%
6	Oil+Albuminoids	45% Min



QUALITY CONTROL

Well qualified & trained staff with latest laboratory equipment are used to test and monitor the production process 24 hours from the quality of seeds to the end of products i.e. Moisture, Dehusking rate, protein, A.I.R., Fiber, Mesh (ASTM), Viscosity cps (Brookfield), sand/Silica etc.