

## **Lucid Colloids Limited**

#### **Registered & Corporate Office:**

401A Navbharat Estates, Zakaria Bunder Road, Sewri West, Mumbai 400015, India. Tel: +91-22-24158059 Email: mdesai@lucidcolloids.com

Company Identification Number: U24311MH1996PLC099800

## Product Information

# **Edicol®** Food Grade Guar Gums

**Lucid Colloids Limited** based in India is a premier manufacturer of **Edicol**® range of Guar Gums since 1958 for various applications such as food, pet-food, pharmaceuticals, personal and home care, oil & gas, paper, explosives, mining, textiles and a host of other applications.



**Lucid** has a rich 65 year legacy in the business and a collective experience of over 500 man-years at senior management level in

the industry. Lucid has 3 Plants located at Jodhpur, Meglasiya and Jhagadia in India. Agri Field Research for Guar and Arid Zones crops is carried out on a 40 acre Guar



Agri Farm and Research Station. The Head Office is in Mumbai, India. Lucid has a subsidiary company incorporated in the USA as

Lucid Colloids America Inc. and another in the Netherlands as Lucid Colloids Europe B.V.



Lucid is ISO 9001, ISO 14001, ISO 45001, FSSC 22000 (GFSI equivalent), BRCGS (A+), cGMP, EFfCI GMP, SA 8000, SEDEX (SMETA 4-Pillar), Vegan, Non-GMO, Kosher, Halal and Organic certified. Lucid has adopted best global practices of governance, safety, environment and social standards.

**Lucid** currently has 350 global employees and is a leading supplier of Guar Gum to the food,

feed, pharma and nutraceutical sectors.

Lucid's Edicol® brand of Food Grade Guar Gums are marketed in over 30 countries. Lucid's strength lies in its capabilities to offer a wide range of Edicol® Guar Gums as well as customised products.



Products range from Ultra Low viscosity of

Guar Protein

Refined Guar Spills

1,200 cps for a 10% solution to Ultra High viscosity of 7,000 cps for a 1% solution, in a variety of particle sizes and hydration rates. **Edicol**° Food Grade Guar Gums are natural, vegan, non-GMO and plant based, extracted from Indian Guar Beans.

We cannot anticipate all conditions under which this information and our products or the products of other manufacturers in combination with our products maybe used. We accept no responsibility for results obtained by the application of this information or the safety and suitability of our products alone or in combination with other products. Users are advised to make their own tests to determine the safety and suitability of each such product combination for their own purposes. Unless otherwise agreed in writing, we sell the product/s without warranty and buyers and users assume all responsibility and liability for loss or damage arising from the handling and use of our products whether used alone or in combination with other products. The information given and recommendations made are based on research carried out in our laboratories and/or actual field trials. However, since results obtained can vary as per operating conditions, environmental and climatic factors etc., users are requested to run their own tests to determine the suitability of our products to their particular needs. Advice given on the possible use of our products is not to be construed as recommendations to use them in the infringement of any patients.



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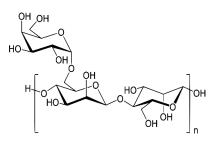
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# **Edicol®** Food Grade Guar Gums

FAO/WHO Codex Alimentarius - Food Status: A1, ADI: Not Specified. European Community - Food Status: E412. Food Chemical Codex - Food Status: Direct Food Additive. Guar gum that meets FCC specifications is affirmed as GRAS as a direct food additive under FDA regulation 184.1339. FEMA/GRAS No: 2537. CAS No: 9000-30-0

**Edicol®** Guar Gum is a white - cream coloured powder, extracted from the endosperm of natural Guar beans, "Cyamopsis Tetragonalobus". It is a hot and cold water soluble Galactomannan Polysaccharide characterised by a Beta 1,4 linear mannose backbone chain with a single alpha 1,6 galactose side unit on approximately every alternate mannose unit. It has high viscosities at low concentrations and exhibits non-Newtonian, pseudoplastic rheology. Guar Gum viscosities increase exponentially with increasing concentrations in water and its estimated Molecular Weight is between 100 ~ 2000 kilo Daltons.



### **PRODUCT RANGE**

		Particle Size			
Viscosity Type	Typical Viscosity (#)	Fine	Med. Coarse	Coarse	Very Coarse
		90% < 200 mesh (75μ)	60% < 200 mesh (75μ) and 20% > 100 mesh (150μ)	30% < 200 mesh (75μ) and 20% > 100 mesh (150μ)	70% > 60 mesh (250μ)
		Finer <> Coarser			
		Faster <> Slower			
		Difficult <> Easier			
Ultra High	7000	110-70			
Very High	6500	100-70, 90-70	100-60, 90-60	100-50, 100-30, 90-50, 90-30	
High-High	6000	80-70	80-60	80-55, 80-50, 80- 30	
Medium-High	5500	70-70	70-60	70-50, 70-30	
Low-High	5000	60-70	60-60	60-50, 60-35, 60- 30	60-10,60-00
High-Medium	4000	40-70	40-60	40-50, 40-30	
Medium- Medium	3000	30-70	30-60	30-50, 30-40	30-10, 30-00
Low-Medium	2000	20-70	20-60	20-20	
High-Low	1000	ULV 1000			
Medium-Low	450 - 750	ULV 750, ULV 500			
Low-Low	40 - 200	ULV 200, ULV 100, ULV 50			
Ultra Low	<1500 cps @ 4% - 10% concentration	DPG-1, 2, 3, 4			
	Ultra High Very High High-High Low-High High-Medium Medium- Medium Low-Medium High-Low Medium-Low Medium-Low	Ultra High 7000  Very High 6500  High-High 6000  Medium-High 5500  Low-High 5000  High-Medium 4000  Medium-Medium 3000  Low-Medium 2000  High-Low 1000  Medium-Low 450 - 750  Low-Low 40 - 200  VItra Low 4% - 10%	Viscosity Type         Typical Viscosity (#)         (75μ)           Finer <	Typical Viscosity (#)   Finer <	Viscosity Type Viscosity (#)  Typical Viscosity (#)  Finer <

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