



GUAR RESOURCES, LLC

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### Product Specification Sheet Guar Gum Powder: M20V50-F

Brand Name: Guar Resources		CAS# 9000-30-0			
Product ID: M20V50-F					
M20V50-F is a fine mesh guar gum powder and can be used in many applications to build viscosity and/or use as an emulsifier to control water migration. M20V50-F is stable over a wide pH range, but performs best within a neutral pH range (Between 6-8). The product hydrates in cold to warm water temperature and can be used in cold or heated applications. Kosher, Halal, Allergen Free, All Natural.					
Typical Usage Level:	0.1% to 3.0%				
Solubility	Cold Water Soluble				
Suggested Uses:	Instant Beverages, Instant Soup Mixes, Instant Cocoa, Sauces, Marinades, Baker Mixes, Suspension, and Thickener				
Standard packaging	50# Bags, 2,000lbs. per pallet/ 2,000# Super Sack, one per pallet				
Shelf Life:	2 years				
Storage and Handling:	Cool and dry for maximum shelf life				
<b>Nutritional information</b>					
*Calories (Total):	357 Kcal	Sodium:	0.00mg	Insoluble Dietary Fiber:	0.00g
5 Calories from Fat:	2.50%	Potassium:	0.00mg	Simple Carbohydrates:	0.00g
Calories from Fat:	9.00 Kcal	Calcium:	0.00mg	Complex Carbohydrates:	0.00g
Total Fat:	1.00 g	Total Carbohydrates:	85.00g	Protein:	2.00g
Trans Fat:	0.00 g	Soluble Dietary Fiber:	85.00g	Vitamins, Other Minerals	**ND
Cholesterol:	0.00 mg	Starch	Negative		
(per 100 grams) This data is from analysis and calculation and should be considered "typical" and not a specification. Data is reported on an "as is" basis. Total Fat and Protein values are rounded to the nearest whole number. *Calculated based on typical assay of component(s) **N.D.; Not determined					
<b>Specifications</b>					
<b>Bacteriological</b>	<b>Min.</b>	<b>Max.</b>	<b>Physical and Chemical</b>	<b>Min.</b>	<b>Max.</b>
Total Plate Count (AOAC 990.12)	0 cfu/g	1000cfu/g	Flavor (Typical)	Bland	-
Total yeast and mold (AOAC 2014.05)	0 cfu/g	<50cfu/g	Moisture	0%	12%
Total Coliforms (AOAC 991.14)	0 cfu/g	<50cfu/g	Gum Content	80%	100%
Enterobacteriaceae (AOAC 2003.01)	0 cfu/g	<50cfu/g	Ash Content	0%	1%
B. Cereus (BAM 14)	0 cfu/g	2000cfu/g	Acid insoluble Residue	0%	3%
S. aureus (AOAC 100503)	Negative/10g	-	pH (Viscosity Solution)	5.5pH	7.0pH
E. coli – 0157.H7 (AOAC 90501)	Negative/10g	-	Odor (Typical)	Nearly Odorless	
Salmonella (AOAC 020502)	Negative/10g	-	Texture (Qualitative)	Free Flowing Powder	
L. monocytogenes (AOAC 060501)	Negative/10g	-	Viscosity – 2 hour(1.0%, RV@20rpm, 25° C)	4500cps	6500cps
			Particle Size (USS# 200 Mesh Through)	95%	100%

The information provided is based upon tests, and observations, made under laboratory conditions and is believed to be accurate. Test results may, however, vary depending upon testing conditions. In furnishing samples and product data specifications, Guar Resources, LLC makes no Warranty, either express or implied, including any warranty of merchantability or fitness for a particular purpose. It is expressly understood and agreed that it is the buyer's responsibility to determine suitability of the product for a particular purpose, product or process. To obtain a description of our testing methodologies, please contact Guar Resources, LLC at 806.637.4662