



# NEELKANTH POLYMERS

Guar Gum Products & Derivatives

## SPECIFICATIONS FOR GUAR GUM POWDER

<b>PRODUCT : Guar Gum Powder</b> <b>Botanical/Scientific name : Cyamopsis tetragonoloba</b> <b>PART USED : Guar Bean</b> <b>BRAND NAME : NEEPO™</b> <b>PRODUCT ID : 250F</b>	
<b>NEEPO™ 250F is a fine white to pale yellow powder having high viscosity, used in Food industry. This product attains a cold water viscosity of 5000 CPS after hydrating for 2 Hrs. Product Specification ensured by Neelkanth Polymers is as follows:</b>	
<b>CHEMICAL ANALYSIS:</b>	
MOISTURE	11%Maximum
PROTEIN	5% Maximum
ASH	1% Maximum
AIR	5% Maximum
FAT	1% Maximum
GUM CONTENT	85% Minimum
PH	5.5-7.0
<b>GRANULATION:</b>	
On 40 mesh	Nil
ON 100 mesh	TRACES
THROUGH 200 #	95% Minimum
<b>VISCOSITY:</b>	
<b>COLD VISCOSITY, 1% SOL., TAKEN BY (BROOKFIELD VISCOMETER),SP. NO.4/20 RPM AT 25 DEG. C., :</b>	
After 2 Hours	5000 cps Minimum
After 24 Hours	stable or more
<b>MICROBIOLOGICAL:</b>	
TPC/GM	5000 MAX.
YEAST/GM	250 MAX.
MOULDS/GM	250 MAX.
COLIFORM/GM	NIL/ABSENT
E.COLI/10 GM	NEGATIVE
SALMONELLA/20 GM	NEGATIVE

**METALS:**

ARSENIC mg/kg	BLQ
HEAVY METALS (AS Pb) mg/kg	Less than 10
LEAD (AS Pb) mg/kg	BLQ
MERCURY mg/kg	BDL
CADMIUM mg/kg	BDL

**Procedure:**

Weight 495 gm. of distilled water (or demineralized boiled water) and put it in to the beaker. Then weight with technical balance 5 gm. of flour (guar gum powder) and add it to the stirred water at low speed. Start the timer and wait 10 seconds then stop the stirring and put the solution in the beaker. Stir at about 1500 RPM with the propeller for 2 minutes. Then stop stirring and keep into incubator at 25°C, measure the viscosity after 15 minutes and 2 hours from the beginning, at the temperature of 25° C and 20 RPM using the spindle no 4 in the periods, rest maintain solution in the thermostatic at 25° C.

**Packing:**

25 Kg / 50 LBS, Multiwall Paper Bag with inside Polyliner / Laminated (Paper Bag Size 32") / Or 1000 Kg / 500 Kg Jumbo bags Or as per Buyer's Requirement.

**Remarks:**

1. All Macro Biological Results Indicates the Limits of Products to be used in Food Grade
2. Extra Certificate can be furnished on Request of Buyer, As Food Grade Product Certificate.

**Notice:**

Information contained in the company's technical literature is believed to be accurate. It is a condition to any sale that buyer conduct an examination of the products under its own operating conditions within a reasonable amount of time after the products have been delivered here under are of acceptable quality and are suitable for buyer's contemplated use. The company makes no representation or warranty of any kind, expressed or implied, with respect to its product or to the use of its products by the buyer in combination with other

substances, whether as to merchantability, fitness for a particular purpose, or any other matter.

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