



Specification				
Product		200/3500cps	200/5000cps	100/3500 cps
E-412 GUAR GUM				
Synonyms	Gum cyamopsis, Guar flour			
Einecs	232-536-0			
Molecular weight	50,000-8.000.000			
Assay	Galactomanan content not less than 75%			
Description	OFF WHITE odorless POWDER			
IDENTIFICATION				
A. Galactose and Mannose	+ve Test			
B. Solubility	Soluble in cold water			
PURITY				
Loss on drying(105 C 5 hours)	% (by weight)	14% Max	12% Max	12% Max
Ash (determined @ 800 C)	% (by weight)	0.75-1.50	0.75-1.50	0.75-1.50
A.I.R	% (by weight)	1.00-3.0	1.00-3.0	1.00-3.0
Protein(Nx6.25)	% (by weight)	4.0 - 5.0	4.0 - 5.0	4.0 - 5.0
Starch	% (by weight)	Not detectable	Not detectable	Not detectable
pH	(1% solution)	5.5 - 6.5	5.5 - 6.5	5.5 - 6.5
Organic peroxides	meq active oxygen /kg	0.7 Max	0.7 Max	0.7 Max
Furfural	mg/kg	1 Max	1 Max	1 Max
Lead	mg/kg	2 Max	2 Max	2 Max
Arsenic	mg/kg	3 Max	3 Max	3 Max
Mercury	mg/kg	1 Max	1 Max	1 Max
Cadmium	mg/kg	1 Max	1 Max	1 Max
Viscosity(1% solution (D.I. water) Brookfield DVE viscometer 25°C, Spindle No.3 & 4, 20 rpm)				
2 Hours elapse	mpaes	3500-4000	5000-5500	3500-4000
24 Hours elapse	mpaes	90% - 110% of 2 Hours Value		
MICROBIOLOGY				
TPC	Cfu/gm	< 5000 Max	< 5000 Max	< 5000 Max
Yeast/ Moulds	Cfu/gm	< 500 Max	< 500 Max	< 500 Max
Coliform	Cfu/gm	Negative	Negative	Negative
E-coil	Cfu/10 gms	Negative	Negative	Negative
Salmonella	Cfu/25 gms	Negative	Negative	Negative
GRANULOMETRY				
On 200 mesh	#75μ	5% Max	5% Max	75% Min
Through 100 mesh	# 132 μ	100% Min	100% Min	90% Min
Through 60 Mesh	# 250 μ	100% Min	100% Min	100% Min
PENTACHLOROPHENOL (PCP)	mg/kg	0.01	0.01	0.01
DIOXINE (PCDD/PCDF)	Pg/gm	0.4	0.4	0.4