

TECHNICAL DATA SHEET

PRODUCT	
GUM ARABIC	Used in water as a medium for underglaze colours and in glazes as a binder.

CHEMICAL ANALYSIS (MEAN VALUES. THESE DO NOT REPRESENT A SPECIFICATION.)			
PARAMETER	LIMITS	UNITS	METHOD
Viscosity	60 – 170		Brookfield LVT, sp 1, 30rpm 25°C 25% sol in water
pH	4.1 – 5.8	°	25% sol in water
Optical rotation	-22 to -36	%	
Loss on drying	max 10.0	%	
Ash	max 4.0	%	total
Ash	max 0.5	%	acid-insoluble
Insoluble matter	max 0.5		
Starch, dextrin & agar	not detectable		
Tannins	not detectable		
Tragacanth	not detectable		
Sterculia	not detectable		
Glucose and fructose	not detectable		
Heavy metals	max 40	mg/kg	as Pb
Arsenic	max 3	mg/kg	
Lead	max 2	mg/kg	
Mercury	max 1	mg/kg	
Cadmium	max 1	mg/kg	
Products of hydrolysis - Mannose, xylose or galacturonic acid	Not detected		chromatography
Organic volatile impurities	No residual solvents		according to ICH guidelines

MICROBIOLOGICAL STANDARDS (MEAN VALUES. THESE DO NOT REPRESENT A SPECIFICATION.)			
PARAMETER	LIMITS	UNITS	METHOD
Total (Aerobic) Plate Count	Max 20,000	cfu/g	BS ISO 483
Yeasts	Max 200	cfu/g	BS ISO 21527
Moulds	Max 200	cfu/g	BS ISO 21527
Salmonella	Negative	in 25g	EN ISO 6579
E. coli	Negative	5/g	

PRODUCT SIZE
The products are available in 1kg and 5kg Paper Bags