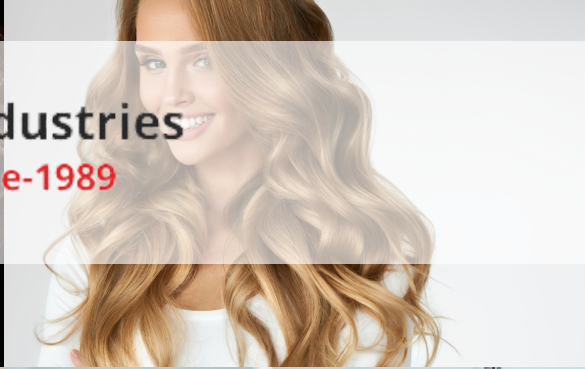




Rama Gum Industries
(India) Ltd. Since-1989



RICOL_CGG_T30 (TRANSPARENT GRADE)
CATIONIC GUAR GUM GRADE



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Specification / COA : **CATIONIC GUAR GUM (RICOL-CGG-T12)**
Product : **Guar Hydroxypropyltrimonium Chloride**
Sample no : **RICOL-CGG-T30**
Common name : **CATIONIC GUAR GUM**
CAS Number : **65497-29-2**



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PARAMETERS	SPECIFICATION	RESULTS
CAS No	65497-29-2	-
Appearance	Creamy white to yellow fine powder	PASSED
Particlesize through 150 Mesh	90%min	98.2
Brookfield Viscosity(After-2hr) (1%Sol:Brookfield,spindle:3/4,at 20RPM,attemperature25°C)	2000-3500 cps	3000 cps
Light Transmission	Min 85	90
Moisture	NMT10%	9.34
pHInherent(1%sol.)	7.5-9.5	7.68
Nitrogen%	Max 1%	0.94
MICROBIOLOGICAL ANALYSIS		
Total plate count/gm	NMT500	99
Yeast/Mould	NMT100	NIL
Staphylococcus aureus	Negative	Negative
Salmonella/25gms	Negative	Negative
Coliform/gm	Negative	Negative
E.coli/10 gms	Negative	Negative

INTRODUCTION



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Cationic guar gum is made from guar gum, which is a natural polysaccharide. Cationic guar gum is more compatible with cosmetic ingredients than guar gum. Cationic guar gum is used for shampoo, etc.

FEATURES OF CATIONIC GUAR GUM IN HAIR CARE PRESCRIPTION

- Exceptional hair condition in g properties at low levels
- Contribute to condition in g properties
- The amount of silicone on hair increase is at double.
- Ith as the property about repairing damaged hair.
- Reduction of static build-up and hair fly-away
- Soft hold and improved shine





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DESCRIPTION

Cationic guar gum is a modified, naturally derived (from the seeds of the guar plant *Cyamopsis tetragonolobus*) quaternary, high-molecular weight sugar polymer (polysaccharide) combining both thickening and conditioning effects.

BENEFITS

- Effective non-gelling thickener and viscosity enhancer
- Can boost foam when together with surfactants
- Has additional conditioning effect due to the quaternary polymer structure as compared to regular guar gum.

USE

Dissolve in water and stir thoroughly. Guar gum has a high pH > 9 in order to thicken the solution that contains the guar gum the pH has to be < 7. Add a tiny amount of citric acid or concentrated lemon juice to reach a lower pH and the solution is thickening. Stir well, typical use level is 0.2–2%. For external use only.

APPLICATIONS

Shampoos, conditioners, lotions, creams, body washes, shower gels.

