



TECHNICAL DATA SHEET

ALG GELPOL-940

(Carbomer-940)

Carbomer are a class of high molecular weight, water-soluble polymer and rheology modifier. It is a proven exceptional thickener, suspending agent and stabilizer utilized in a wide variety of personal care products. Carbomer is an extremely efficient rheology modifier capable of providing high viscosity and forms sparkling clear water or hydro alcoholic gels and creams

| SPECIFICATION: | TEST | LIMIT |
|----------------|--|--|
| | Appearance | White , fluffy powder |
| | Solubility | Practically insoluble in diethyl ether; Swells in polar solvents |
| | Assay (Carboxylic acid by NaOH titration) | 56.0 % - 68.0% |
| | Viscosity at 25 C (When neutralized to pH 7.3 to 7.8) 0.5% W/v spindle 7 at 20 rpm (Brookfield RVF or RVT) | 40000-60000 cps |
| | Clarity % Transmission (Neutralized solution 420nm light) | NLT 85 % |
| | LOD | NMT 2.0% |

| APPLICATION | |
|-------------|---|
| | Hair styling gel Hydro-alcoholic gel Moisturizing gel Bath gel Tooth paste Shampoos Shaving gel, after shaving lotion Moisturizing cream and sun screen lotions Pharmaceutical gels & ointment. |





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| | Cleaning cream Skin fresher |
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ALG GELPOL-980 (Carbomer-980)

Carbomer are a class of high molecular weight, water-soluble polymer and rheology modifier. It is a proven exceptional thickener, suspending agent and stabilizer utilized in a wide variety of personal care products. Carbomer is an extremely efficient rheology modifier capable of providing high viscosity and forms sparkling clear water or hydro alcoholic gels and creams

| SPECIFICATION: | TEST | LIMIT |
|----------------|---|--|
| | Appearance | White , fluffy powder |
| | Solubility | Practically insoluble in diethyl ether; Swells in polar solvents |
| | Carboxylic acid content | 58.0 % - 63.0% |
| | Viscosity, cP, 25°C Brookfield RVT, 20 rpm, neutralized to pH 7.3 - 7.8 | |
| | 0.2 wt% mucilage, spindle #6 | 13000-30000 |
| | 0.5 wt% mucilage, spindle #7 | 40000-60000 |
| | Clarity % Transmission (Neutralized solution 420nm light) | NLT 85 % |
| | LOD | NMT 7.0% |
| | Acrylic acid monomer | 10000 ppm max |
| | Sulphated Ash, % (Residue on Ignition) Residual Solvent | 2.5 % Max. |





ALG Chemicals

Chemistry for Hygiene & Healthy Life

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|--|------------------------------------|----------------------|
| | a) Ethyl Acetate b) Cyclohexane | NMT 0.3% NMT 0.3% |
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|--------------------|---|
| APPLICATION | Hair styling gel Hydro-alcoholic gel Moisturizing gel Bath gel Tooth paste Shampoos Shaving gel, after shaving lotion Moisturizing cream and sun screen lotions Pharmaceutical gels & ointment. Cleaning cream Skin fresher |
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ALG GELPOL-956

(Carbomer-956)

Carbomer- 956 is a synthetic high molecular weight cross linked polyacrylate polymer. It is very efficient Rheology modifier, which provides high viscosity and forms sparkling clear water or hydro-alcoholic gels. It is very efficient thickener among all the grades, having an extremely short flow property. It is suitable for use in high viscous liquids or gels for cosmetics and pharmaceutical industries

| SPECIFICATION: | TEST | LIMIT |
|----------------|--|--|
| | Appearance | White , fluffy powder |
| | Solubility | Practically insoluble in diethyl ether; Swells in polar solvents |
| | Assay (Carboxylic acid by NaOH titration) | 56.0 % - 68.0% |
| | Viscosity at 25 C (When neutralized to pH 7.3 to 7.8) 0.2% W/v spindle 6 at 20 rpm (Brookfield RVF or RVT) | 20700-41300 cps |
| | Clarity % Transmission (Neutralized solution 420nm light) | NLT 85 % |
| | LOD | NMT 2.0% |

| APPLICATION | |
|-------------|---|
| | Hair styling gel Hydro-alcoholic gel Moisturizing gel Bath gel Tooth paste Shampoos Shaving gel, after shaving lotion Moisturizing cream and sun screen lotions Pharmaceutical gels & ointment. Cleaning cream Skin fresher |





ALG GELPOL-996

(Carbomer-996)

Carbomer- 956 is a synthetic high molecular weight cross linked polyacrylate polymer. It is very efficient Rheology modifier, which provides high viscosity and forms sparkling clear water or hydro-alcoholic gels. It is very efficient thickener among all the grades, having an extremely short flow property. It is suitable for use in high viscous liquids or gels for cosmetics and pharmaceutical industries

| SPECIFICATION: | TEST | LIMIT |
|----------------|---|--|
| | Appearance | White , fluffy powder |
| | Solubility | Practically insoluble in diethyl ether; Swells in polar solvents |
| | Assay (Carboxylic acid by NaOH titration) | 56.0 % - 68.0% |
| | Brookfield RVF or RVT Viscosity, (mPa·s): (20 rpm at 25°C, neutralized solutions) | |
| | 0.2 wt% mucilage, spindle #6 | 15000-35000 |
| | 0.5 wt% mucilage, spindle #7 | 45000-65000 |
| | Clarity % Transmission (Neutralized solution 420nm light) | NLT 85 % |
| | LOD | NMT 3.0% |

| APPLICATION | |
|-------------|---|
| | Hair styling gel Hydro-alcoholic gel Moisturizing gel Bath gel Tooth paste Shampoos Shaving gel, after shaving lotion Moisturizing cream and sun screen lotions Pharmaceutical gels & ointment. Cleaning cream Skin fresher |





ALG Chemicals

Chemistry for Hygiene & Healthy Life

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| PACKAGING: | 20 kg, Drums Other sizes available upon request. |
| SHELF LIFE | 3 years from date of manufacturing |
| STORAGE CONDITIONS | Store in tightly closed, light resistant container and keep in cool, dry place |