

TECHNICAL DATA SHEET

CARBOMER 980

Common Name: Polyacrylic Acid

HSN Code: 39069090

Description:

Carbomer 980 is a synthetic high molecular weight cross linked polyacrylate polymer. They are 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 980 is an extremely efficient rheology modifier capable of providing high viscosity and forms sparkling clear water or hydro alcoholic gels and creams.

Typical Applications:

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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

43/478/39 Radha Nagar, Sikandra, Agra, Uttar Pradesh 282007 INDIA

+91 9412286691 | +91 7906895853 | +91 6397063498

Technical Data:

Appearance

Solubility

White, fluffy powder

When neutralized with alkali hydroxide or amine it dissolves in water, alcohol and glycerine.

Heavy Metals

NMT 20.0 PPM

Loss on Drying

NMT 2.0 %

Assay(Carboxylic acid by NaOH titration)

Between 56.0 % - 68.0 %

Viscosity (0.2 %w/v mucilage in water, 13,000 CPS – 30,000 CPS spindle no.6, 20 RPM at 25°C, pH 7.3 – 7.8)

Viscosity (0.5 %w/v mucilage in water, 40,000 CPS – 60,000 CPS spindle no.7, 20 RPM at 25°C, pH 7.3 – 7.8)

pH

Between 2.7 – 3.0

Clarity of 0.5 % w/v solution in reference ≥ 90 % with water at 420 nm spectrophotometer

Residual acrylic acid %

≤ 0.25 %

Limit of Benzene

Not more than 0.5 %

Residual Solvents :

Ethyl acetate

≤ 0.35 %

Cyclohexane

≤ 0.15 %

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