

TECHNICAL DATA SHEET

CARBOMER 940

Common Name: Polyacrylic Acid

HSN Code: 39069090

Description:

Carbomer 940 is 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 940 is an extremely efficient rheology modifier capable of providing high viscosity and forms sparkling clear water or hydroalcoholic gels and creams.

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 (0.5 %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 ≥ 85 %

with water at 420 nm spectrophotometer

Residual acrylic acid %

≤ 0.25 %

Limit of Benzene

Not more than 0.5 %

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