GUANGZHOU YESER CHEMICALS CO., LTD

TECHNICAL DATA SHEET

INCI Name: Carbomer 980

CAS NO.: 9003-01-4

Molecular Formula: $(C_3H_4O_2)n$

Trade Name: Yeser® CBM980

Product Specifications:

Test Item		Specification	Test Method
Appearance	(25℃)	White loose powder	By eye
Odor		Faint acetic odor	By smell
Brookfield viscosity	(25℃, 0.5% neutralized aqueous solution, mPa・s)	40000~60000	Rotary viscometer
	(25℃, 0.2% neutralized aqueous solution, mPa・s)	13000~30000	
Clarity	(0.5% neutralized aqueous solution, 420nm, %)	≥92.0	UV
	(0.2% neutralized aqueous solution, 420nm, %)	≥92.0	
Residual ethyl acetate content, %		≤0.5	Gas chromatography
Residual cyclohexane content, %		≤0.3	Gas chromatography
Free acrylic acid content, %		≤0.25	HPLC
Loss on Drying, %		≤2.0	Oven

Product Features:

1) Acts as a potent viscosity builder and stabilizer.
2) Offers a light and comfortable feel on the skin.
3) Delivers pronounced clarity and exceptional suspension capabilities, enhancing the quality of hair gels.
4) Exemplifies short flow rheology traits.

Dosage:

The recommended dosage is 1.0%~2.0%.

***Note:** Please consider that post-neutralization of carbomer, viscosity may decrease due to extended agitation or high shear agitation. The presence of electrolytes may diminish the thickening efficiency of carbomer resin. Long-term exposure to ultraviolet light can lessen the viscosity of the carbomer resin.

Package:

In 20KG kraft paper box

Shelf life:

Sealed, stored in a cool, dry and ventilated place, the shelf life is 12 Months.

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