

iGEL 990

INCI Name (US): Carbomer

INCI Name (EU): Carbomer

CAS #: 9003-01-4

**General Information/
Characteristics:**

iGel 990 is a crosslinked polyacrylate polymer with strong moisturizing ability, acting as high-efficient & low-dosage thickener and suspending agent. It can be neutralized by alkali to form clear gel. Once its carboxyl group is neutralized, molecule chain expands extremely and viscosity comes up, due to mutually exclusion of negative charge. It can enhance yield value and rheology of liquid substances, thus it is easy to get insoluble ingredients (granula, oil drop) suspended at low dosage. It is widely used in O/W lotion and cream as favorable suspending agent.

Benefits / Application:

- High-efficient thickening, suspending and stabilizing
- Ability at low dosage
- Outstanding short flow (non-drip) property
- High clarity
- Resist temperature effect to viscosity

Applications:

- Transparent hydroalcoholic gel
- Lotion and cream
- Hair styling gel
- Shampoo
- Body wash

Formulations Advices: 0.2 – 1.0 %

Regulatory Status: No specific regulation

Distributed by Cosphatech LLC – 3470 NW 82 AVE – SUITE 770 – 33122 FLORIDA – USA – Ph: +1-305-499-9572 Fax:+1-305-499-9577 – info@cosphatech.com

We have made reasonable efforts to ensure that the information and suggestions regarding the statement of ingredients and conditions for use of our products is technically and scientifically accurate and up to date. We and our suppliers and agents neither commit nor guarantee the relevance, accuracy, presentation or use, or suitability of our products to any specific use. Such information and suggestions shall not be deemed to grant any patent license or any other intellectual property right. We cannot guarantee that the use made of our products, information and suggestions will respect the intellectual property rights of other third parties. Customers shall use our products, information and suggestions at their own risk and we will therefore not accept any liability whatsoever for any such above-mentioned accounts.



Physico-Chemical Properties:

Appearance	Fluffy, White Powder
Viscosity (mPa.s)(20rpm – 25C)	0.2%: 10000 – 30000
Viscosity (mPa.s)(20rpm – 25C)	0.5%: 45000 – 70000
Residual EthylAcetate/Cyclohexane	≤ 0.45 %
Residual Acrylic Acid	≤ 0.25 %
Loss on drying	≤ 2.0 %
Bulk Density (g/100mL)	19.5 – 23.5
As (ppm)	≤ 2
Pb+As+Hg+Sb (ppm)	≤ 10

Additives:

Preservatives: NA

Shelf Life / Storage Conditions :

24 months if stored at 25 °C in unopened original packanging. Avoid freezing. Protect from direct light. Reclosed immediately after use.

Packaging:

20 Kg

Distributed by Cosphatech LLC – 3470 NW 82 AVE – SUITE 770 – 33122 FLORIDA – USA – Ph: +1-305-499-9572 Fax:+1-305-499-9577 – info@cosphatech.com

We have made reasonable efforts to ensure that the information and suggestions regarding the statement of ingredients and conditions for use of our products is technically and scientifically accurate and up to date. We and our suppliers and agents neither commit nor guarantee the relevance, accuracy, presentation or use, or suitability of our products to any specific use. Such information and suggestions shall not be deemed to grant any patent license or any other intellectual property right. We cannot guarantee that the use made of our products, information and suggestions will respect the intellectual property rights of other third parties. Customers shall use our products, information and suggestions at their own risk and we will therefore not accept any liability whatsoever for any such above-mentioned accounts.

