

	TECHNICAL SHEET IMACARBO READY	Date of issue: 06/26/2020
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Product: IMACARBO READY
INCI Name: Carbomer
CAS Number: 9003-01-4
INCI Name: Aminomethyl Propanol
CAS Number: 124-68-5

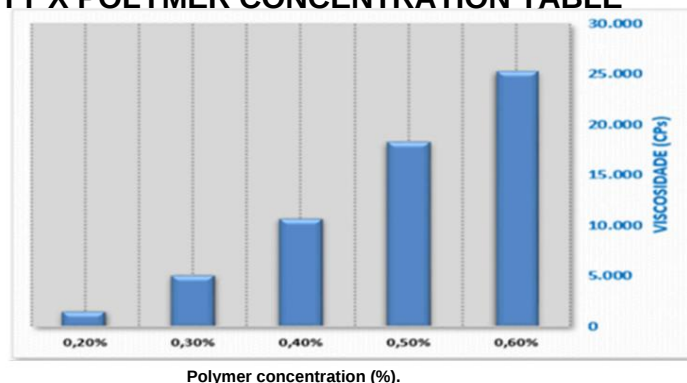
Description: IMACARBO READY is an innovative and unique polymer that combines all the qualities of a high-performance hand sanitizer formulation, eliminating the need for neutralizers and emollients. A blend of 60% Carbomer with 40% Aminomethyl Propanol, it meets Anvisa standards RDC 46 of 2002, RDC 350 of 2020, and RDC 422 of 2020. It is a rheology modifier indicated for achieving moderate to high viscosity, excellent for hydroalcoholic gels at 70% INPM. Its innovative formulation offers numerous benefits.

Physicochemical characteristics: Appearance: Light powder
 Color: White
 Odor: Slightly acetic

Properties and uses: Excellent sensory properties.
 Rheology modifier
 Uses: General cleaning, body and hair products.

Advantages: High viscosity builder and stabilizer.
 Dispenses with the use of neutralizers.
 Dispenses with the use of emollients.
 Gel former.
 Provides an extraordinary soft and smooth touch.
 Stickiness-free touch.
 Allows for simpler formulations by eliminating multiple raw materials and formulation errors.
 Exemption from army leave (purchase of neutralizers).
 Optimization of the production process (1/3 of the time).

VISCOSITY X POLYMER CONCENTRATION TABLE



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GUIDELINES FOR HYDROALCOHOLIC GEL 70% inpm

		%
1	73.70 96° Alcohol	
2	Imacarbo Ready 0.50	
3	25.80 Water	
		100.00

- Add alcohol (1) to a beaker, while stirring slowly add IMACARBO READY (2) and keep for 10 minutes;
- Then, while stirring, add water (3) and keep for 30 minutes or until completely homogeneous; • Dispenses with the use of emollients (propylene glycol or glycerin), as it already provides an extraordinary sensory experience;
- Dispenses with the use of neutralizers (triethanolamine or AMP), as it is already pre-neutralized (pH 7.00); • For greater viscosity, the pH can be adjusted to 7.5 with triethanolamine or AMP.

SPECIFICATIONS:

Performance Tests	Unit	Minimum	Maximum	Frequency Tests	Procedure
Brookfield Viscosity / 25°C (1) 0.5% Carbomer	CPS	35,000	55,000	Each batch	IMA / 062
Clarity, % Transmittance	%	90	100	Each batch	IMA / 037
Residual Ethyl Acetate	%		0.45	Each batch	USP / NF
Residual cyclohexane	%		0.45	Each batch	USP / NF
Total residual solvent	%		0.45	Each batch	USP / NF
Loss on drying	%		2	Each batch	USP / NF
Solids (2)	%	> 98		Each batch	IMA / 026
Heavy metals (Pb, As, Hg, Sb) ppm			10 ppm	Every 200 lots	IMA / 004

USP/NF: United States Pharmacopeia/National Formulary (1) Brookfield

RVDV-1 viscometer, 20 rpm, sp7, 25°C, disperse in water, without addition of neutralizers. (2) 1 gram of polymer, 90°C for 10 min

Manufacturedand packaged by: **Imagraf Chemical Industry Ltda.****Packaging:**

Available in 20kg boxes.

Storage and handling:

Store in a dry, well-ventilated area at room temperature.

Consult the SDS - safety data sheet for detailed information.

Lifespan:

2 years if stored properly and packaging is closed (as described in the safety data sheet).