

ULTRA CLEAR HAND SANITIZER

WITH CARBOPOL* ULTREZ 20 POLYMER

The pairing of AMP-ULTRA™ PC 2000 and Carbopol Ultrez 20 polymer helps to create high-quality, stable hand sanitizer formulations. When your goal is to achieve sparkling clarity, high viscosity and superior stability, this polymer-neutralizer combination is the clear choice for formulating at ethanol levels up to 80%.

Formulated with AMP-ULTRA PC 2000 for outstanding gel neutralization, superior gel clarity and stability at high levels of alcohol content.

Phase		Trade name	INCI name	Supplier	Wt%
A	1.	Water	Aqua (Water)	-	Q.S.
	2.	Carbopol Ultrez 20 polymer	Acrylates / C10-30 Alkyl Acrylate Crosspolymer	Lubrizol	0.25%
B	3.	Ethanol (96%)	Ethanol	-	70.0%
C	4.	AMP-ULTRA PC 2000	Aminomethyl Propanol	ANGUS	0.08%

PROCEDURE

1. Mix Water and Carbopol Ultrez 20 polymer using a paddle stirrer at 100-150 rpm.
2. Add Ethanol and mix until uniform.
3. Add the AMP-ULTRA PC 2000 with gentle agitation (100-150 rpm) and mix until smooth and homogeneous.
4. Adjust pH with additional AMP-ULTRA PC 2000 to 7.3-7.5.

FORMULATION PROPERTIES AND NOTES

- Appearance Transparent gel
- pH 7.3-7.5
- Stability 2 months at room temperature and 45°C
- Viscosity 11,6000 cP (Brookfield RVDT-IIT, spindle 4.6 RPM, 1 min, 20°C)
- Formulation Reference P.HS.P.2021.8

DISCOVER A **BETTER** WAY™

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