

NATURAL CONDITION HAND SANITIZER WITH ALOE VERA

An essential element of hand hygiene, this instant hand sanitizer formulation contains Aloe Vera to provide skin softness without sticky residue. This cold-process formulation contains 70% Ethanol for effective performance and provides convenient and easy-to-use sanitization, without the need for soap and water.

Formulated with AMP-ULTRA™ PC 2000 for outstanding Carbomer neutralization, superior gel clarity and enhanced stability, even at challenging high-alcohol levels.

Phase		Trade name	INCI name	Supplier	Wt%
A	1.	Water	Aqua (Water)	-	Q.S.
	2.	Extrapone* Aloe Vera P	Propylene Glycol, Water (Aqua), Aloe Barbadensis Leaf Juice Powder	Symrise	2.50%
	3.	Carbopol* 980 polymer	Carbomer	Lubrizol	0.25%
B	4.	Ethanol (96%)	Ethanol	-	70.0%
C	5.	AMP-ULTRA PC 2000	Aminomethyl Propanol	ANGUS	0.08%

PROCEDURE

1. Combine Water and Aloe Vera mixing with a propeller stirrer at 300-500 rpm until uniform.
2. Carefully disperse the Carbomer into the mixture. Mix until the polymer is fully hydrated, and the dispersion is smooth and free of lumps.
3. Change to a paddle stirrer and slowly add the Ethanol with agitation, mixing until homogeneous.
4. Add AMP-ULTRA PC 2000 with gentle agitation (100 rpm) and mix until smooth and homogeneous.
5. Adjust pH with additional AMP-ULTRA PC 2000 to 7.2.

FORMULATION PROPERTIES AND NOTES

- Appearance: Transparent gel
- pH: 7.2
- Stability: 2 months at room temperature and 45°C
- Viscosity: 1,000 cP (Brookfield RVDV-IIT, spindle 4, 6 rpm, 1 min, 20°C).
- Formulation Reference: P.HS.P.2021.2

DISCOVER A **BETTER** WAY™

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