

Prototype
May 2020

Eat Well, Live Well.



ASC-35-44

Amino Moisturizing Gel Cream Sanitizer (with HPMC)

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Alcohol-based sanitizers make dry hands a common occurrence. This moisturizing gel cream sanitizer mitigates the drying effect of alcohol with powerful moisturizers. **Ajidew® NL-50**, a skin-natural component of the NMF, provides moisturization. Our active emollient **Eldew® PS-203R** improves skin barrier function with its ceramide-like properties and penetrates into the stratum corneum to increase moisturization with its water holding capacity. **L-Arginine C** acts as an anchor for **Ajidew® NL-50** and has some non-specific antiviral activity. This gel cream sanitizer leaves hands feeling moisturized, not dry.

	Trade Name	INCI Name	Supplier	% w/w	Role of ingredient
A	DI Water	Water (Aqua)	-	31.50	Solvent
B	Ethyl Alcohol 200 Proof ACS/USP	Ethyl Alcohol	Pharmco	20.00	Sanitizer
	Vivastar CS 152 HV	Hydroxypropyl Methylcellulose	J. Rettenmaier	1.50	Viscosity Modifier
C	Ethyl Alcohol 200 Proof ACS/USP	Ethyl Alcohol	Pharmco	42.50	Sanitizer
	Eldew® PS-203R	Phytosterol/Octylodecyl Lauroyl Glutamate	Ajinomoto	1.00	Ceramide-like Moisturizer
D	Ajidew® NL-50	Sodium PCA, Water	Ajinomoto	0.30	Amino acid based humectant
E	DI Water	Water (Aqua)	-	3.00	Solvent
	L-Arginine C/L-Arginine VP	Arginine	Ajinomoto	0.20	Moisturizer, non-specific antiviral

Procedure:

Disperse the HPMC in the Ethanol of phase B. Add phase B to phase A and mix until the HPMC is hydrated. In a separate vessel combine phase C and mix until the Eldew is dissolved. Add phase C to the batch and mix until completely uniform. Add phase D. In a separate vessel pre-dissolve the Arginine in water (phase D). Add phase D to the batch.

Stability: 4 weeks - Stable at 0°C, 40°C, 45°C, R.T, & Freeze Thaw - 3 cycles

Appearance: Opaque gel **Viscosity:** 20,000-30,000 mPas (LVDV-I+, T-C, 3 rpm)



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