

Highly concentrated HPR Anti-Aging Cream

- **Formulation Number:** L-24052102
- **Efficacy Positioning:** Anti-aging and wrinkle-free
- **Core Ingredients:** 0.2% ZLEY®ALL+0.2% ZLEY®HPR+1%ZLEY®PHEACNE + 1.5% ZLEY®KAENDA

Phase	Product Name	INCI	ω%	Supplier
A	Water	Water	To 100	—
	EG-1	Glycereth-26	3.00	—
	Butylene Glycol	Butylene Glycol	2.00	—
	ZLEY®ALL	Allantoin	0.20	ZLEY
	HA	Sodium Hyaluronate	0.05	—
	EDTA-2Na	Disodium Edta	0.05	—
	ZLEY®BET	Betaine	1.00	ZLEY
	N-200T	Xanthan Gum	0.05	—
	D-Panthenol	Panthenol	0.50	—
	EMT-10	Hydroxyethyl Acrylate/Sodium Acryloyldimethyl Taurate Copolymer	0.30	—
B	A165	Glyceryl Stearate PEG-100 Stearate	1.20	—
	OLV 10	Sorbitan Olivatate Cetearyl Glucoside Cetearyl Alcohol	2.50	—
	ININ	Isononyl Isononanoate	3.00	—
	GTCC	Caprylic/capric Triglyceride	4.00	—
	1618s	Cetearyl Alcohol	2.00	—
	DC200/350	Dimethicone	1.20	—
	ZLEY®HPR	Hydroxypinacolone Retinoate	0.20	ZLEY
	KMP-590	Polymethylsilsesquioxane	0.50	—
C	S-400	Polyacrylate-13 Polyisobutene Polysorbate 20	1.00	—
D	ZLEY®BIOCARE-PCH	Chlorphenesin Phenoxyethanol 1,2-Hexanedio Water	0.80	ZLEY
	ZLEY®KAENDA	Piper Methysticum Root Extract Hydroxypropyl Cyclodextrin	1.50	ZLEY

		Butylene Glycol Water		
	ZLEY®PHEACNE	Stephania Tetrandra Extract Butylene Glycol Water	1.00	ZLEY
	Sodium Metabisulfite	Sodium Metabisulfite	0.05	—
	Water	Water	5.00	—

Formula reference cost: #####\$/kg

Pre-treatment

1. Pre-mix and dissolve sodium metabisulfite in water in phase D homogeneously, and set aside for use;

Operating Procedure

1. accurately weigh the A phase in 80-85 °C water bath heating, rapid homogenization for 5min to uniform, keep warm for 20min, stirring evenly;
2. accurately weigh the B phase, at 80 °C heating and stirring;
3. 75-80 °C, the B phase added to the A phase, homogenization 1-3min, and then add the C phase of high-speed homogenization 3-5min, stirring 15-30min, stirring evenly;
4. 50 °C to add D phase materials in turn, stirring evenly;
5. 45 °C out of the material.

Physicochemical and stability parameters:

Appearance	Light yellow fine cream
pH-value (10%Sol.)	6.37
μ/mPa·s (25°C)	4#6R 68085mpa.s
50°C	Testing
Normal temperature	Testing
-15°C	Testing
Hot and cold cycles	Testing
Centrifugation (30min, 2500r/min)	--

Note: This formula is for reference only, and has not been tested for scaled-up production. If you have any questions, please contact our regional sales team.