

## Smoothie Moisturizing Essence Cream

- **Formula Number:** L-24070402
- **Efficacy positioning:** Soothing and moisturizing, calms the skin
- **Core Ingredients:**  
**0.2%ZLEY®MPCA+0.8%ZLEY®PE203-Kaenda+1.2%ZLEY®PE401-pheacne**

| Phase | Ingredient         | INCI name                                                                                | ω%   | Supplier |
|-------|--------------------|------------------------------------------------------------------------------------------|------|----------|
| A     | Water              | Water                                                                                    | —    | —        |
|       | Glycerin           | Glycerin                                                                                 | 4.00 | —        |
|       | N-200T             | Xanthan Gum                                                                              | 0.05 | —        |
|       | EDTA-2Na           | Disodium Edta                                                                            | 0.05 | —        |
|       | HA                 | Sodium Hyaluronate                                                                       | 0.10 | —        |
|       | Trehalose          | Trehalose                                                                                | 0.50 | —        |
|       | U20                | Acrylates/C10-30 Alkyl Acrylate Cros Spolymer                                            | 0.40 | —        |
|       | VB3                | Niacinimide                                                                              | 2.00 | —        |
|       | ZLEY®BET           | Betaine                                                                                  | 1.20 | ZLEY     |
|       | ZLEY®ALL           | Allantoin                                                                                | 0.20 | ZLEY     |
| B     | 72                 | Steareth-2                                                                               | 0.50 | —        |
|       | 721                | Steareth-21                                                                              | 0.50 | —        |
|       | DC200/350cst       | Dimethicone                                                                              | 2.00 | —        |
|       | DC345              | Dimethicone<br>Dimethiconol                                                              | 3.00 | —        |
|       | ININ               | Isononyl Isononanoate                                                                    | 1.00 | —        |
| C     | ZLEY®ARG           | Arginine                                                                                 | 0.40 | ZLEY     |
| D     | ZLEY®PE203-kaenda  | Piper Methysticum Root Extract<br>Hydroxypropyl Cyclodextrin<br>Butylene Glycol<br>Water | 0.80 | ZLEY     |
|       | ZLEY®PE401-pheacne | Stephania Tetrandra Extract<br>Butylene Glycol<br>Water                                  | 1.20 | ZLEY     |
|       | ZLEY®BIOCARE-PCH   | Chlorphenesin<br>Phenoxyethanol<br>Water<br>1,2-Hexanediol                               | 0.80 | ZLEY     |
|       | ZLEY®MPCA          | Menthyl PCA                                                                              | 0.20 | ZLEY     |
|       | CO40               | PEG-40 Hydrogenated Castor Oil                                                           | 0.50 | —        |
|       | Butylene Glycol    | Butylene Glycol                                                                          | 2.00 | —        |

|                      |                                                                      |       |   |
|----------------------|----------------------------------------------------------------------|-------|---|
| CT-80                | Sodium Polyacrylate                                                  | 0.40  | — |
| Butylene Glycol      | Butylene Glycol                                                      | 3.00  | — |
| Water                | Water                                                                | 10.00 | — |
| 0.5%BLUE 1           | Sodium Metabisulfite                                                 | 0.13  | — |
| Sodium Metabisulfite | Sodium Metabisulfite                                                 | 0.02  | — |
| EG                   | Sodium Acrylate/Acryloyldimethyl Taurate Copolymer<br>Polysorbate 80 | 0.70  | — |

Formula reference cost: \$###/kg

### Pre-treatment:

1. Pre-mix ZLEY®MPCA, CO40, Butylene Glycol in phase D and set aside;
2. Pre-mix CT-80, butylene glycol and water in phase D, mix well, and set aside;
3. Pre-mix sodium metabisulfite and water in phase D, dissolve, stir well, and wait 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;
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 for 3min, stirring uniformly;
4. 50 °C to add C, D phase materials in turn, stirring well;
- 45 °C out of the material

### Physicochemical and stability parameters:

|                                |                                 |
|--------------------------------|---------------------------------|
| Appearance                     | Light blue cream with particles |
| pH (10% Sol.)                  | 6.97                            |
| μ/mPa·s (25°C) mpa.s           | 4#6R 25864mpa.s                 |
| 50°C                           | Testing                         |
| Ambient temperature            | Testing                         |
| -15°C                          | Testing                         |
| Hot and cold cycles Under test | 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.