**Formula Name:** Moisture Essence  
Lot.No.36-SUL-1  
(NIKKOL Nikkomulese LH: 2.5%)

### INCI NAME | TRADE NAME | ROLE/FEATURE | SUPPLIER | wt%
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Glycerin | NIKKOL MGS-BV2 | Emulsifier | NIKKO CHEMICALS | 0.5000
Triethylhexanoin | NIKKOL TRIFAT S-308 | Emollient agent | NIKKO CHEMICALS | 4.0000
Dimethicone | KF-96A-6cs | Emollient agent | Shin-Etsu Chemical | 0.5000
Ethylhexylglycerin, Glycerin | NIKKOL Nikkoguard 88 | Antimicrobial agent | NIKKO CHEMICALS | 0.5000
Glycerin | NIKKOL Nikkomulese LH | Emulsifier, Thickener | NIKKO CHEMICALS | 2.5000
Carbomer, Water | TC-CARBOMER 380 (2% aq.) | Thickener | Guangzhou Tinci Materials Technology | 5.0000
Butylene Glycol | | Moisturizer | | 8.0000
Glycerin | | Moisturizer | | 3.0000
PEG/PPG/Polybutylene Glycol | WILBRIDE S-753 | Moisturizer | NOF | 4.0000
Propanediol | | Moisturizer | | 2.0000
Sorbitol, Water | | Moisturizer | | 1.0000
Water | | | | 50.7000
Potassium Hydroxide, Water | (10% aq.) | Neutralizer | | 0.3000
Water, Glycerin, Citrullus Vulgaris (Watermelon) Fruit Extract, Citrullus Lanatus (Watermelon) Fruit Extract, Lens Esculenta (Lentil) Fruit Extract, Pyrus Malus (Apple) Fruit Extract, Sodium PCA, Sodium Lactate | AcquaCell | Moisturizer, Anti-wrinkle | Barnet Products | 3.0000
Water | | | | 5.0000
**Total** | | | | 100.0000

### Procedure

1. For B, mix NIKKOL Nikkomulese LH and water by paddle-mixer for 30 minutes to swell, and then add other ingredients and mix until uniform.
2. Heat A and B to 80°C respectively, and mix until uniform.
3. While stirring B by homogenizer, add A into B gradually and emulsify at 80°C for a certain period of time.
4. Add C into A+B and then cool down to 35°C while stirring.
5. Add D into A+B+C while stirring.

### Physical Properties

- Initial viscosity (B type Viscometer, No.3 6rpm, 30sec.) : 7810 mPa·s
- pH (bulk) : 5.5

### Stability

- RT, 45°C, 5°C : Confirmed for 3 months
- 50°C, -5°C, Cycle (-5⇔45°C) : Confirmed for 1 month

We do not guarantee the stability of the final products of formulations in this brochure though the stability was checked under certain conditions.

We do not guarantee the preservation property of this formulation as we do have not checked it.

We do not guarantee that this formulation does not conflict with any patent.

It is users’ responsibility to determine the suitability for their own use of the formulation.