

## HAIR SHAMPOO <Solid type> ABR-HW-007-20

Solid type of hair shampoo with natural surfactants, **AMISOFT® LS-11** and **AMISOFT® MS-11**, which make a part of bar structure and provide a mild and effective cleanser with creamy foam. **AJIDEW® NL-50** is natural humectant that reduces static and friction of the hair. **AMISAFE® AL-01** improves foaming and hair conditioning.

|              | Trade name                             | INCI Name   | wt %         | Function                                   |
|--------------|--|---|--------------|--|
| A            | Lanette® D *1                          | Cetearyl Alcohol  | 20.9         | Consistency wax                            |
|              | Coconut Oil *2                         | Cocos Nucifera (Coconut) Oil                                  | 4.0          | Emollient                                  |
|              | Lipex Cocoasoft™ *3                    | Theobroma Cacao (Cocoa) Seed Butter                           | 7.0          | Emollient                                  |
|              | AminoSensyl™ HC *6                     | Brassica Alcohol (and) Brassicyl Valinate Esylate             | 5.0          | Conditioning agent                         |
|              | DL-alpha-Tocopherol Care *1            | Tocopherol  | 0.8          | Antioxidant                                |
| B            | Jaguar® Excel *4                       | Guar Hydroxypropyltrimonium Chloride                          | 0.8          | Conditioning agent                         |
|              | Zemea® Propanediol *5                  | Propanediol   | 2.0          | Humectant                                  |
| C            | <b>AMISAFE® AL-01</b>                  | <b>Lauroyl Arginine</b>                                       | 0.8          | Amphoteric surfactant / Conditioning agent |
|              | Plantaren® 2000 N UP *1                | Decyl Glucoside   | 10.0         | Nonionic surfactant                        |
| D            | <b>AMISOFT® MS-11</b>                  | <b>Sodium Myristoyl Glutamate</b>                             | 20.0         | Mild surfactant                            |
|              | <b>AMISOFT® LS-11</b>                  | <b>Sodium Lauroyl Glutamate</b>                               | 25.0         | Mild surfactant                            |
| E            | <b>AJIDEW® NL-50 (50%)</b>             | <b>Sodium PCA (and) Aqua</b>                                  | 2.0          | Moisturizing active                        |
|              | Spectrastat™ G2 Natural *6             | Caprylhydroxamic Acid (and) Glyceryl Caprylate (and) Glycerin | 0.7          | Preservative                               |
|              | Fragrance Tropical Coconut (743016) *2 | Perfume   | 1.0          | Fragrance                                  |
| <b>Total</b> |  |   | <b>100.0</b> |  |

\*1 BASF, \*2 Symrise, \*3 AAK, \*4 Solvay, \*5 DuPont Tate & Lyle Bio Products, \*6 Inolex

### <PROCEDURE>

1. Add Phase A components to a beaker, and heat up to 80° C.
2. Heat Phase C up to 80° C and homogenize.
3. In a separate beaker, mix Phase B components. Then, add into Phase C and mix well.
4. Add Phase B/C into the main phase and homogenize.
5. Add Phase D components into the main phase and homogenize well.
6. Add ingredients of Phase E, one by one, homogenize in each addition.
7. Pour into a silicone molds carefully. Leave it cool down, without stirring, under room temperature until it solidifies.

### <PHYSICAL PROPERTIES and STABILITY>

Appearance: White, solid

pH: 5.90 - 6.10 (5% sol.)

Viscosity: Not applicable

Stability: 5°C, 25°C and 45°C for 1 month; 50°C for 15 days, cycle.

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