

*Prototype*  
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**AJINOMOTO®**

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## ***Gentle Pearl Pump Soap Cleanser – Cold Process***

### ***ASC 21-96-1***

This formula exploits the incompatibility of soap and “hard” water to yield a pearlized effect that is achieved at room temperature. The combination of gentle surfactants, Aminossoap AR-12 and APGs, provides a stable dispersion mechanism while the acrylic copolymer thickens the system to a desired viscosity, in this case to a pump-type consistency. Ajidew NL-50 provides additional benefit of moisturization.

|    | <b>Trade Name</b>        | <b>Supplier</b>  | <b>INCI Name</b>   | <b>% w/w</b> | <b>Function (in Formula / on Skin)</b>            |
|----|--------------------------|--|--|--------------|---|
| A. | Water                    |  | Aqua   | 54.25        | Diluent   |
|    | Novethix L-10            | Lubrizol   | Acrylic Copolymer  | 2.50         | Thickening polymer                                |
| B. | <b>Aminossoap AR-12</b>  | <b>Ajinomoto USA, Inc</b>                                | Arginine Cocoate   | 30.00        | Primary mild surfactant, pearl effect / Cleansing |
|    | Plantaren 1200N          | Cognis   | Lauryl Glucoside   | 2.00         | Tertiary surfactant / Cleansing                   |
|    | Plantaren 2000           | Cognis   | Decyl Glucoside  | 9.00         | Secondary surfactant / Cleansing                  |
| C. | <b>Ajidew NL-50</b>      | <b>Ajinomoto USA, Inc</b>                                | Sodium PCA   | 1.00         | Humectant / Moisturization                        |
| D. | Magnesium Chloride       |  | Magnesium Chloride   | 0.50         | Thickening salt, inducer of pearl effect          |
| E. | Campo Plantservative WSR | BioOrganic Concepts, dist. by Essential Ingredients, Inc | Lonicera Caprifolium (Honeysuckle) Flower Extract (and) Lonicera Japonica (Honeysuckle) Flower Extract (and) Water | 0.75         | Preservative                                      |

**Procedure:** Mix Phase A at room temperature, add Phase B slowly and mix thoroughly. Add Phases C, D and E.

**Final pH:** 8.0

**Appearance:** Pearlized viscous system

**Viscosity:** 4,920 mPa·s @ 6.0 rpm, spindle #3, 30 sec, ~25 °C

**Stability:** > 1 month at 45, 40, 25, and 3 °C, 5 freeze/thaw cycles

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