



PERSONAL CARE  
**BODY TREATMENT**



# MILD YELLOW HAND SOAP [MP-03]

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| PHASE | INCI NAME                                    | BRAND NAME   | CONCENTRATION [%] | FUNCTION           |
|-------|----------------------------------------------|--------------|-------------------|--------------------|
| A     | Aqua                                         |              | 46,55             | solvent            |
|       | Potassium Oleate                             |              | 8,00              | surfactant         |
|       | Sodium Lauroyl Glycinate                     | ROKAtend GL  | 25,00             | surfactant         |
|       | Decyl Glucoside                              |              | 7,00              | surfactant         |
| B     | Citric acid                                  |              | 0,20              | pH modifier        |
| C     | Parfum                                       |              | 0,50              | fragrance          |
|       | Benzy Alcohol, Ethylhexyglycerin, Tocopherol |              | 1,00              | preservative       |
|       | Cocamidopropyl Betaine                       | ROKAmina®K30 | 10,00             | surfactant         |
|       | Sodium Chloride                              |              | 1,75              | viscosity modifier |



|                |                                                   |               |
|----------------|---------------------------------------------------|---------------|
| pH             |                                                   | 8.5 – 9.0     |
| Apperance      | visual method                                     | yellow liquid |
| Viscosity [cP] | Brookfield LV, spindle 34, speed 2.5 RPM, T: 25°C | 3000 – 5000   |
| Stability      | 1 month at 5°C, RT, 40°C                          | confirmed     |

## Procedure:

1. Into the large vessel (big enough to provide adequate mixing while preparing batch) pour deionized water.
  2. Add ingredients from phase A to the vessel while mixing. Heat up to 70 – 75°C. Mix until homogenous solution is obtained.
  3. Cool the batch down to at least 35°C.
  4. Adjust pH to 8.5 – 9.0 by using Citric Acid. Mix well after adjustment.
5. Add fragrance, preservative and Cocamidopropyl Betaine. Mix until homogenous solution is obtained.
  6. If necessary, add Sodium Chloride to adjust the viscosity. NOTE: it is very important to equilibrate a sample at 25°C for at least one hour to get an accurate viscosity measurement.



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