



PERSONAL CARE
HAIR TREATMENT

STRONG HAIR GEL WAX [KD-381]



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| PHASE | INCI NAME | BRAND NAME | CONCENTRATION [%] | FUNCTION |
|-------|---------------------------------------|----------------|-------------------|--------------|
| A | Aqua | | up to 100,0 | solvent |
| | Glycerin | | 0,5 | solvent |
| | PPG-5-Ceteth-20 | ROKAnol®LP6066 | 0,5 | surfactant |
| A1 | PVP | | 1,0 | hair fixing |
| | PVP | | 1,0 | hair fixing |
| B | Steareth-20 | ROKAnol®S20 | 32,0 | emulsifier |
| C | Phenoxyethanol, Ethylhexylglycerin | | 0,5 | preservative |



| | | |
|-----------|----------------------------|-------------------|
| Stability | 1 month at 5°C, 20°C, 40°C | confirmed |
| Apperance | visual method | clear, sticky gel |
| pH | | 5,0 – 7,5 |

Procedure:

1. In a separate vessel combine ingredients from phase A, A1.
2. Prepare others ingredients – phase B and C.
3. Heat phase A and B to 75-80°C.
4. Add slowly phase A1 to phase A while mixing. Keep (phase A/A1) temperature at 75-80°C.
5. Add very slowly ROKanol S20 (add small portion while mixing. Wait until uniform) to phase A/A1 diuring mixing. Maintain the temperature of 75-80 ° C until dissolved.
6. Add phase C while mixing.
7. Cool the batch down to 70°C.



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