



Self-Tanning Cream with CORN PO4 PH"B"

"Formulation of INNOSPEC modified by AGRANA STARCH"

CORN PO4 PH"B" supports the effect of self-tanning products

The Self-Tanning exhibits the following properties:
 It spreads smoothly and imparts good skin feeling on application

| Ingredients | INCI-Name | %w/w | Supplier |
|-------------|-----------|------|----------|
|-------------|-----------|------|----------|

Phase A

| | | | |
|------------------------------|--------------------------------|------|-----------------|
| NIKKOL TMGS-5V | PEG-5 Glyceryl Stearate | 1,50 | Nikko Chemicals |
| Brij S10 | Steareth - 10 | 1,50 | CRODA |
| Crodacol C70 | Cetyl Alcohol | 0,80 | CRODA |
| Organic MCT Coconut based | Caprylic / Capric Triglyceride | 4,00 | Cremer Care |
| Finsolv TN | C12 – 15 Alkyl Benzoate | 3,00 | INNOSPEC |
| Finsolv – EMG 20 | Methyl Gluceth-20 Benzoate | 6,00 | INNOSPEC |

Phase B

| | | | |
|------------------------|--|-------------|---------------|
| Deionized water | Aqua | q.s to 100 | |
| CORN PO4 PH "B" | Distarch Phosphate | 2,00 | AGRANA |
| Flocare PSD 30 | Sodium Acrylate/Sodium Acryloyldimethyl Taurate Copolymer | 1,50 | SDF Floeger |

Phase C

| | | | |
|------------------|------------------|-------|--------------|
| Deionized water | Aqua | 12,50 | |
| Dihydroxyacetone | Dihydroxyacetone | 5,00 | RONA / MERCK |
| Erythrulose | Erythrulose | 1,50 | DSM |

Phase D

| | | | |
|--------------------------------|--|------------------|----------|
| Spectrastat | Caprylyl glycol (and) Caprylhydroxamic (and) Glycerin | 1,00 | INOLEX |
| Fragrance | | q.s | DÜLLBERG |
| Citric Acid (10 % Solution) | | q.s to pH 4,0 | |



AGRANA STARCH

AGRANA - Self Tanning Cream with CORN PO4 PH B
-Formulation INNOSPEC
release 01, 24.01.13
Page 2 of 2

Viscosity = 15.500 (cPs Brookfield, spindle 6, 20rpm)

Viscosity = 7.600 (cPs Brookfield, spindle 6, 50rpm)

PROCEDURE

1. Heat Phase A & B separately to 65 °C.
2. Add B to A with vigorous mixing, allow cooling.
3. Add Phase C while continuing to stir.
4. Add Phase D with stirring.

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