



## After Sun Lotion with RICE NS

“Formulated and developed by Jungbunzlauer”

Ingredients	INCI-Name	%w/w	Supplier
<b>Phase A</b>			
Water, deionised	Aqua	qs to 100	
XG FEDCS – PC	Xanthan Gum	0,20	Jungbunzlauer
<b>RICE NS</b>	<b>Dimethylimidazolidinone Rice Starch</b>	<b>4,00</b>	<b>Agrana</b>
Sodium L(+)-Lactate 60%	Sodium Lactate	3,00	Jungbunzlauer
Allantoin	Allantoin	0,10	Merck
D-Panthenol 75 %	Panthenol	1,00	Merck
<b>Phase B</b>			
Tego Care PSC 3	Polyglyceryl-3 Dicitrate / Stearate	3,00	Evonik
Tegin M Pellets	Glyceryl Stearate	1,50	Evonik
Lanette 18	Stearyl Alcohol	1,50	BASF
CITROFOL® AI	Triethyl Citrate	5,00	Jungbunzlauer
Tegosoft CT	Caprylic / Capric Triglyceride	9,00	Evonik
Shea Butter RBD	Butyrospermum Parkii (Shea Butter)	2,00	Jan Dekker
DL-alpha-Tocopheryl Acetate	Tocopheryl Acetate	0,50	Jan Dekker
<b>Phase C</b>			
Perfume, Preservation		qs	
<b>Phase D</b>			
NaOH 10%	Sodium Hydroxide	qs	Merck



## PROCEDURE

1. Heat Phase A up to 80 °C and disperse well under stirring. Keep this temperature for 10 minutes while stirring.
2. Heat Phase B up to 80 °C.
3. Emulsify Phase B under stirring slowly to Phase A.
4. Homogenize for 2 - 5 minutes by using an Ultra Turrax.
5. Cool down to 35 °C and add Phase C under stirring.
6. Set pH value with Phase D.

## Technical Data:

Appearance: white lotion  
pH value: 5.2 - 5.8  
Viscosity (HAAKE RheoStress<sup>®</sup> 1; Method 20/s): 3.800 mPa s

## Stability:

Stable for 3 months at 20 °C, 4 °C and 40 °C, 1 month at 45 °C

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