



Cosmetics

RR 8149

Baycusan® C 1004

UV & Pollution Shield- Face Mist SPF 30

% by wt.

Phase A	Aqua	33.20
	Xanthan Gum	0.15
	Disodium EDTA	0.05
	Glycerin	2.00
	Propylene Glycol	1.00
Phase B	Dicaprylyl Carbonate	12.00
	Isodecyl Neopentanoate ¹⁾	5.00
	Ethylhexyl Salicylate	5.00
	Octocrylene	9.50
	Ethylhexyl Triazone	2.00
	Butyl Methoxydibenzoylmethane	4.00
	Bis-Ethylhexyloxyphenol Methoxyphenyl Triazone	0.50
	Diethylhexyl Syringylidenemalonate (and) Caprylic/Capric Triglyceride ²⁾	1.00
	Polyglyceryl-6 Stearate (and) Polyglyceryl-6 Behenate ³⁾	1.50
	Cetearyl Alcohol	2.00
	Phase C	Methylpropanediol (and) Caprylyl Glycol (and) Phenylpropanol ⁴⁾
Alcohol Denat.		12.00
Dimethicone		2.00
Tocopheryl Acetate		0.50
Fragrance		0.10
Phase D	Baycusan® C 1004	5.00
		100.00



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Raw materials

1. Schercemol™ 105 Ester, Lubrizol
 2. Oxynex® ST Liquid, Merck
 3. Tego® Care PBS 6, Evonik
 4. Dermosoft® OMP, Evonik
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Processing

Add all ingredients of phase A in a separate vessel under stirring, at 40°C. Combine phase B in a separate vessel under stirring and heat to 80°C. Add phase A to B under continuous mixing and cooling. Cool phase A/B below 40°C. Add phase C and homogenize strongly for 3 Min.

Add phase D into remaining phase and mix smoothly, avoid strong homogenization! Check pH. If necessary adjust pH to 6.5-7.0 with Sodium Hydroxide (10% sol.).

Notes

In vivo SPF (ISO 24444: 2010 method on 5 volunteers) = 36.0

In vitro UVA-PF (with pre-irradiation ISO 24443 Method) = 14.4

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