

# Cosmetics

# RR 8042

## Baycusan® C 1001

### Wash off Mask

	% by wt.
<b>Phase A</b>	
Water	72.30
Disodium EDTA	0.10
Sodium Polyacrylate (and) Hydrogenated Polydecene (and) Trideceth-6 <sup>1)</sup>	3.00
Baycusan® C 1001	20.00
Alcohol Denat.	3.50
Phenoxyethanol (and) Ethylhexylglycerin <sup>2)</sup>	1.00
Ethylhexylglycerin (and) Methylisothiazoline <sup>3)</sup>	0.10
	100.00

#### Raw materials

- 1) RapiThix™ A-60,ISP
- 2) Euxyl® PE 9010, Schülke & Mayr
- 3) Euxyl® K 220, Schülke & Mayr

#### Processing

1. At room temperature, dissolve EDTA in water.
2. Add RapiThix™ A-60 and stir until thick and uniform.
3. Then, add remaining ingredients one by one while mixing until homogeneous.

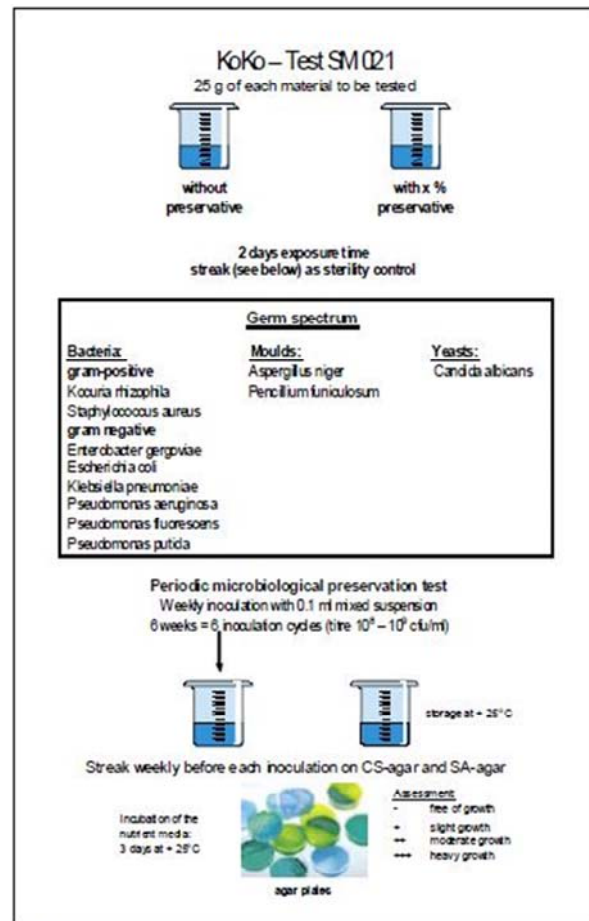
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## The Schülke KoKo Test

In this test, the Schülke Koko test, a mixture of bacteria, yeast and moulds are inoculated 6 times (once a week) into the test material (see graph), with the goal of keeping the test material germ free for this period. The inoculum contains pathogenic microorganisms as germs which are well known for product spoilage. All species have to be cultivated separately and mixed directly before the addition, to ensure a constant composition and germ count of the inoculum. It's germ count is approximately 10<sup>8-9</sup> cfu/ml, which means a germ count of approximately 10<sup>6</sup> cfu/ml in the sample.

A sample can be called well preserved, if it passes a period of six weeks under the above described laboratory conditions without showing microbial growth on the test batches. That means even after the sixth inoculation no microbial growth can be observed. From many years of experience in the use of this test method these results can state the microbiological stability of 30 months which is recommended for cosmetic products



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## Schülke Koko Test Results

Wash off mask RR8042	Inoculation Cycles						
	0	1	2	3	4	5	6
1% Euxyl® PE 9010 *) 1% Euxyl® K 220	-	-	-	-	-	-	-
Legend:	0	=	Sterility control	-	=	free of microbial growth	
	B	=	Bacteria	+	=	slight growth	
	M	=	Moulds	++	=	moderate growth	
	Sp	=	Sporeforming bacteria	+++	=	massive growth	
	Y	=	Yeasts				

\*) Recommended dosages

The above formulation is intended solely as a guide for our business partners and others interested in our products. Further, although the ingredients, quantities thereof and properties of compounds or finished goods mentioned herein reflect our recommendation at the time of publication, this guide may not be subject to continuous review and/or updating, and you agree that use is undertaken at your sole risk. All information is given without warranty or guarantee, and it is expressly understood and agreed that you assume, and hereby expressly release us from, all liability, in tort, contract or otherwise, incurred in connection with the use of this guide.

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