

TRiStat Stabil

SAFE-GUARD YOUR FORMULA WITH THIS BROAD SPECTRUM EMOLLIENT



INCI: Phenethyl Alcohol, Caprylyl Glycol

BENEFITS

Exhibits broad spectrum antimicrobial activity

Active in a wide pH range (4-8)

Skin moisturizer, refatting & wetting agent

Soluble in alcohols, glycerin, polar oils, mineral oil & slightly soluble in water

FEATURES

Based on nature-identical ingredients

Clear, colorless liquid

Free from parabens, formaldehyde donors & isothiazolinones

APPLICATIONS

Surfactant based formulations

Face & body creams and lotions

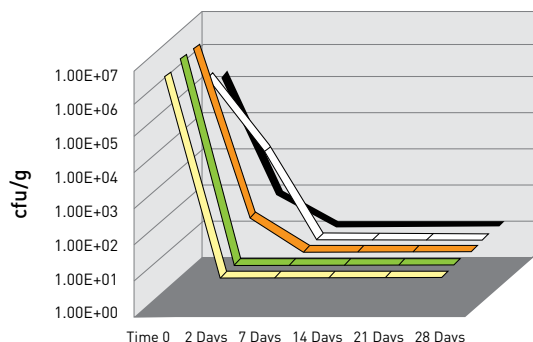
Soluble in select oil based formulations

Aqueous formulations

TRiStat Stabil

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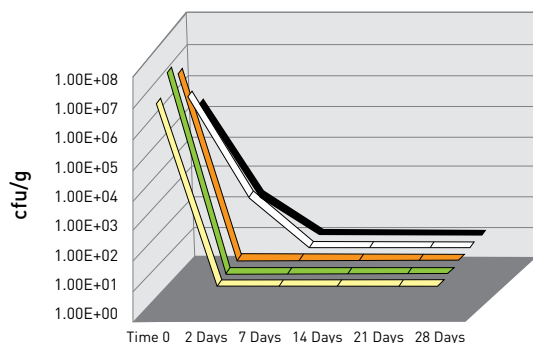
PRESERVATION EFFICACY IN NON-IONIC OIL/WATER EMULSION, pH 6.4 WITH 1.0% TRISTAT STABIL



1.0% TRiStat Stabil has shown to be effective in preserving the tested formula in 7 days.

STRAINS	0 DAYS	2 DAYS	7 DAYS	14 DAYS	21 DAYS	28 DAYS	RESULTS
● E. coli	$5.6 \cdot 10^6$	<10	<10	<10	<10	<10	Passed
● P. aeruginosa	$8.1 \cdot 10^6$	<10	<10	<10	<10	<10	Passed
● S. aureus	$7.4 \cdot 10^6$	$6.1 \cdot 10^2$	<10	<10	<10	<10	Passed
○ C. albicans	$4.3 \cdot 10^5$	$3.2 \cdot 10^3$	<10	<10	<10	<10	Passed
● A. niger	$2.4 \cdot 10^5$	90	<10	<10	<10	<10	Passed

PRESERVATION EFFICACY IN SHOWER BATH, pH 5.6 WITH 1.2% TRISTAT STABIL



1.2% TRiStat Stabil has shown to be effective in preserving the tested formula in 7 days.

STRAINS	0 DAYS	2 DAYS	7 DAYS	14 DAYS	21 DAYS	28 DAYS	RESULTS
● E. coli	$1.1 \cdot 10^7$	<10	<10	<10	<10	<10	Passed
● P. aeruginosa	$4.2 \cdot 10^7$	<10	<10	<10	<10	<10	Passed
● S. aureus	$1.4 \cdot 10^7$	<10	<10	<10	<10	<10	Passed
○ C. albicans	$8.3 \cdot 10^5$	$5.3 \cdot 10^2$	<10	<10	<10	<10	Passed
● A. niger	$1.9 \cdot 10^5$	$2.1 \cdot 10^3$	<10	<10	<10	<10	Passed

EFFICACY TESTS

The antimicrobial effectiveness of TRiStat Stabil in different cosmetic formulations was evaluated using the European Pharmacopoeia method

INHIBITORY (MIC) & BIOCIDAL (MBC) ACTIVITY OF TRISTAT STABIL IN PPM

TEST ORGANISMS (≈10 ⁶ CFU/ML)	MBC	MIC
Gram-positive bacterium <i>Staphylococcus aureus</i>	3500	2500
Gram-negative bacterium <i>Escherichia coli</i>	3500	1750
Gram-negative bacterium <i>Pseudomonas aeruginosa</i>	4000	3000
Yeast <i>Candida albicans</i>	5000	2500
Mold <i>Aspergillus niger</i>	7000	1750

TRiStat Stabil exhibits full bactericidal activity against Gram-positive and Gram-negative bacteria with a concentration of 0.4% and a fungicidal effect at 0.7%

PROPERTIES

TRiStat Stabil is an optimized combination of widely accepted & safe cosmetic ingredients that provides multiple benefits to cosmetic formulations such as skin moisturization, refatting & wetting agent and skin-feel improver. Shelf life of 18 months in original packaging.

ACTIVE • FRESH • EFFECTIVE

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