



SPECIFICA TECNICA

Prodotto **PARAOSSIBENZOATI IN FENOSSIETANOLO LIQ.**

SPECIFICA	METODO	Lim. Inf. - Lim. Sup.	u.m.
Identificazione IR		Conforme	
Aspetto		Liquido limpido, da leggermente giallo a rosato	
* Solubilità		Solubile in alcool e glicole, poco solubile in acqua.	
Densità 20°C		1,08 - 1,20	g/ml
* pH (1%)		4,00 - 6,00	
* Indice di rifrazione		1,5000 - 1,5250	°
Acidità			
* - Acidità		$\leq 0,250$	ml NaOH
* - Acidità		1,71 - 1,83	meq/g
Fenossietanolo		25 - 75	%
* Glicole propilenico		15 - 35	%
Metilparabene		5 - 15	%
Etilparaben		5 - 15	%
Propilparaben		1 - 10	%
Butilparaben		1 - 10	%
* Totale parabeni		28,20 - 29,60	%
* Ftalati		Assenti	
Revisione Capitolato		2	
Data Approvazione		10/07/2015	

* saggi non obbligatori



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INCI NAME

Phenoxyethanol, Propylene Glycol, Methylparaben, Ethylparaben, Propylparaben, Butylparaben

DESCRIPTION

Paraossibenzoati in fenossietonolo is a powerful biocide and fungicide with a wide range of activity, where the presence of micro-organism is the source of various inconveniences, due to degradation of aqueous media and emulsion.

Its active ingredients is synergetic blend of parabens esters, that exhibits optimum efficacy and stability.

It contains phenoxyethan enhance the preservative effect and provide stability.

All the ingredients used are suitable for cosmetic use.

SOLUBILITY

Soluble in alcohols and glycols, slightly in water (20 °C).

APPLICATION:

Paraossibenzoati in fenossietonolo is an effective and powerful biocide suitable for a wide range of hydro-alcohol or o/w emulsions based cosmetics.

The product may be applied in different pH ranges, from 3.0 up till 8.0. The advise dosage for these applications goes from 0.25 to 0.75%.

In hot processes it is advisable to add preservative during the cooling stage at a temperature no greater than 60 °C, and preferably below 40 °C.

Due to low aqueous solubility of Acnibio AP4, when water content in formulation is low, water should be heated at 60-70 °C prior to Paraossibenzoati in fenossietonolo addition. If this preservative is incorporated into new formulation, we advise testing at different dosage in order to find the most adequate concentration.

MINIMUM CONCENTRATION INIBENTE :

S.Aureus 0.125 %

Subtilis 0.150 %

P.Aeruginosa 0.250 %

Proteus Vulgaris 0.200 %

Yeast 0.100 %

C.Albicans 0.100 %

Saccaromyces Cerevisiae 0.100 %

Molds 0.125 %

Penicillium Notatum 0.125 %

Trichoderma Viride 0.060 %

Aspergillus Niger 0.200 %



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PRODUCTION PROCESS:

