

BLENDS BASED ON SHORT-CHAIN PARABENS

Sharon Labs Innovative Blends



Parabens have proven to be both safe and extremely effective preservatives for combating yeasts and molds in cosmetic formulations. Short-chained Parabens have enjoyed worldwide acceptance with over 75 years of safe use. They are very commonly used in both leave-on and rinse-off formulations. Combinations of Methylparaben and Ethylparaben are available in Phenoxyethanol, Propylene glycol and Benzyl alcohol. The pre-solubilization of Parabens in a liquid medium makes their incorporation into formulations faster and easier.

Sharomix 221 can be used for the preservation of powder products such as eye shadow. The inclusion of Phenoxyethanol in Sharomix ME and Benzyl alcohol in Sharomix 410 enhance the antibacterial properties of these products.

All four products can be used over a wide pH range (3 to 8) and will retain full activity even after heating up to 80°C. Recommended usage concentration for the liquid blends are 0.4% to 1.0%. The recommended use level for Sharomix 221 is 0.3% to 0.6%.

PRODUCT	INCI
Sharomix ME	Phenoxyethanol Methylparaben Ethylparaben
Sharomix ME16	Propylene glycol Methylparaben Ethylparaben
Sharomix 410	Benzyl alcohol Methylparaben Ethylparaben
Sharomix 221	Methylparaben Ethylparaben

MINIMUM INHIBITION CONCENTRATIONS (MIC) FOR SHAROMIX ME/ME 16

Microorganism	Type	ME MIC (ppm)	ME 16 MIC (ppm)
Burkholderia cepacia	Bacteria Gram -	2500	1500
Escherichia coli	Bacteria Gram -	2500	4000
Pseudomonas aeruginosa	Bacteria Gram -	2750	4000
Bacillus cereus	Bacteria Gram +	3000	3000
Staphylococcus aureus	Bacteria Gram +	3000	4000
Staphylococcus epidermidis	Bacteria Gram +	4000	3500
Aspergillus niger	Mold	1600	1600
Candida albicans	Yeast	2000	2250

Appearance

The first three blends are transparent to yellowish liquids. Sharomix 221 is a white powder

Formaldehyde free

Halogen free