Iscaguard®

Iscaguard EB10

Paraben Free	Thiazolinone Free	Formaldehyde Free	Preservative Free	Natural
✓	✓	✓		

INCI declaration
benzyl alcohol, ethylhexylglycerin

Iscaguard EB10 is a liquid preservative blend containing Benzyl Alcohol with efficacy boosting Ethylhexylglycerin. It is a mild, yet effective preservative for personal care formulations. Iscaguard EB10 has the added benefit of headspace protection due to the presence of benzyl alcohol.

In Use Concentrations	ISCA recommendation	EU Cosmetic Regulation (max)
Leave-on	0.5 – 1.0 %	1.1 %
Rinse-off	0.5 – 1.0 %	1.1 %

In use concentrations vary according to the formulation type and the other ingredients present. The correct use dosage should be determined by microbial challenge testing of the finished formulation (ISCA UK offers discounted challenge testing to our customers).

Recommended Applications

Shampoo, Shower gel (Rinse-off)	Creams, lotions (Leave-on)	O/W emulsions	W/O emulsions	Wet wipes	Eye care	Lip care	Oral care	Children under 3
●	●	●	●	●	●	●	●	●

Use scenarios derived from evaluation of Cosmetic Regulation guidelines and preservative performance for typical formulations.

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Formulation guidelines	
pH (effective range)	3.0 – 9.0
Solubility (Water)	~1.0 %
Solubility (Glycols)	Miscible
Maximum Process Temperature	80 °C
General information	Iscaguard EB10 is compatible with most personal care ingredients. In aqueous formulations, heating to 40°C may be required in order to fully dissolve the preservative.

Minimum Inhibitory Concentrations	
Microorganism	MIC (%)
Bacteria (gram-negative)	
Pseudomonas aeruginosa	0.30
Escherichia coli	0.40
Bacteria (gram-positive)	
Staphylococcus aureus	0.30

Minimum Inhibitory Concentrations	
Microorganism	MIC (%)
Yeasts	
Candida albicans	0.40
Moulds	
Aspergillus brasiliensis	0.25

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