

Iscaguard 9088

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

INCI declaration
benzyl alcohol, dehydroacetic acid, aqua

Iscaguard 9088 is a blend of an organic acid in benzyl alcohol. It is suitable for formulations with acidic pH, and offers protection against bacteria, yeasts, and moulds. Iscaguard 9088 is permitted for use with most eco label certified formulations and can be used for both leave-on and rinse-off products.. The use of benzyl alcohol based preservatives offers excellent headspace protection for cosmetics supplied in susceptible packaging.

In Use Concentrations	ISCA recommendation	EU Cosmetic Regulation (max)
Leave-on	0.5 – 1.0 %	1.14 %
Rinse-off	0.5 – 1.0 %	1.14 %

Not to be used in aerosol dispensers (sprays) .

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 – 6.0
Solubility (Water)	~1.0 %
Solubility (Glycols)	Soluble
Maximum Process Temperature	60 °C
General information	<p>Iscaguard 9088 is compatible with most personal care ingredients. In aqueous formulations, heating to 40°C may be required in order to fully dissolve the preservative. However, prolonged exposure to high temperatures should be avoided in order to protect against discolouration. The preservative efficacy of Iscaguard 9088 increases as the pH value drops, so for optimal efficacy we recommend that the pH of the finished product is as low as possible. Iscaguard 9088 is not to be used in aerosol dispensers (sprays) according to the EU Cosmetic Products Regulation.</p>

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

Minimum Inhibitory Concentrations	
Microorganism	MIC (%)
Yeasts	
Candida albicans	0.15
Moulds	
Aspergillus brasiliensis	0.15

Disclaimer: The information contained in this document is intended to be of assistance to users. We believe the information set forth above to be true and accurate, but such information is provided without any warranty, and shall establish no legal duty or responsibility on the part of Isca UK Ltd.

