

# Iscaguard TGB10

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

INCI declaration
benzyl alcohol, triethylene glycol

Iscaguard TGB10 is a liquid preservative blend containing benzyl alcohol, alongside efficacy boosting triethylene glycol. It is a mild, yet effective preservative for personal care formulations. Iscaguard TGB10 has the added benefit of headspace protection due to the presence of the benzyl alcohol.

In Use Concentrations	ISCA recommendation	EU Cosmetic Regulation (max)
Leave-on	0.6 – 1.0 %	1.1 %
Rinse-off	0.6 – 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)	Hair care	Deodorants	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 – 8.5
Solubility (Water)	~1.2 %
Solubility (Glycols)	Miscible
Maximum Process Temperature	80 °C
General information	Iscaguard TGB10 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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