Iscaguard M

Paraben Free	Thiazolinone Free	Formaldehyde Free	Preservative Free	Natural
	✓	✓		

INCI declaration
methylparaben

Iscaguard M is a dry powder form of high purity methylparaben. With its efficient, broad spectrum antimicrobial efficacy, and low toxicity profile, methylparaben has multiple uses within the personal care industry.

In Use Concentrations	ISCA recommendation	EU Cosmetic Regulation (max)
Leave-on	0.2 – 0.4 %	0.4 % (as acid) #
Rinse-off	0.2 – 0.4 %	0.4 % (as acid) #

Maximum 0.8% (as acid) total paraben content when used together as a mixture.

In use concentrations vary according to the formulation type and other ingredients present. The correct use dosage should be determined by microbial challenge testing of the finished formulation.

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)	4 - 8
Solubility (water)	~0.2 %
Solubility (propylene glycol)	22 %
Maximum Process Temperature	80 °C
General information	Must not exceed 0.8 % total paraben content (Methyl, Ethyl, Propyl, Butyl) in finished products according to the European Cosmetic Products Regulation.

Minimum Inhibitory Concentrations	
Microorganism	MIC (%)
Bacteria (gram-negative)	
Salmonella typhosh	0.2
Salmonella shottmuelleri	0.2
Escherichia coli	0.2
Klebsiella pneumoniac	0.1
Pseudomonas aeruginosa	0.4
Proteus vulgaris	0.2
Bacteria (gram-positive)	
Staphylococcus aureus	0.4
Bacillus cereus	0.2
Bacillus subtilis	0.2
Sarcina lutea	0.4

Minimum Inhibitory Concentrations	
Microorganism	MIC (%)
Yeasts	
Candida albicans	0.1
Trichophyton rubrum	0.016
Trichophyton mentagrophytes	0.016
Saccharomyces pastoriamus	0.13
Moulds	
Aspergillus brasiliensis	0.1
Aspergillus oryzae	0.1
Penicillium digitatum	0.03
Rhizopus nigricans	0.05
Trichoderma lignoram	0.025

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 Limited.

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