

Iscaguard FPX2

Paraben Free	Thiazolinone Free	Formaldehyde Free	Preservative Free	Natural
	✓	✓		

INCI declaration
phenoxyethanol, methylparaben, ethylparaben, butylparaben, propylparaben

Iscaguard FPX2 is a blend of paraben esters in phenoxyethanol. With high efficacy, excellent compatibility, a broad spectrum of activity, and a wide pH use range, Iscaguard FPX2 is an effective and reliable preservative choice for most cosmetic and personal care products.

In Use Concentrations	ISCA recommendation	EU Cosmetic Regulation (max)
Leave-on	0.3 – 0.8 %	1.38 %
Rinse-off	0.3 – 0.8 %	1.38 %

Not to be used in leave-on products designed for application on the nappy area of children under 3 years of age.

Leave-on products designed for children under 3 years of age must be labelled “Do not use on the nappy area”.

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.



Iscaguard FPX2

Formulation guidelines	
pH (effective range)	3.0 – 8.0
Solubility (Water)	< 0.5 %
Solubility (Glycols)	Miscible
Maximum Process Temperature	80 °C
General information	Iscaguard FPX2 is compatible with most personal care ingredients. When used alone, parabens may be inactivated by some non-ionic emulsifiers. The presence of phenoxyethanol in Iscaguard FPX2 reduces, or overcomes this problem. In formulations with a high protein content, it may be necessary to use a higher concentration of Iscaguard FPX2.

Minimum Inhibitory Concentrations	
Microorganism	MIC (%)
Bacteria (gram-negative)	
Pseudomonas aeruginosa	0.32
Proteus vulgaris	0.24
Escherichia coli	0.32
Bacteria (gram-positive)	
Staphylococcus aureus	0.21
Bacillus cerus	0.21
Enterococcus faecium	0.21

Minimum Inhibitory Concentrations	
Microorganism	MIC (%)
Yeasts	
Candida albicans	0.12
Saccharomyces cerevisiae	0.11
Moulds	
Aspergillus brasiliensis	0.14

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.

