COSPHADERM® PENTIOL NATURAL

Cosphatec

Cosphaderm® Pentiol natural is a pure, transparent, colourless and odourless glycol of natural origin. Two vicinal OH-groups and a short carbon chain allow unlimited water-solubility. This property is strongly relevant to its most common cosmetic use as a moisturizer and Humectant for both skin and hair care formulations. Static light scattering experiments have shown that Cosphaderm® Pentiol natural can also be used to stabilize o/w emulsions by droplet size reduction. Another property of pentylene glycol is its pH-independent antimicrobial activity. It further shows remarkable synergistic effects in combination with other antimicrobial substances, making it possible to minimize the total amount of combined preserving agents.

- Unlimited water-solubility
- Shows remarkable synergistic effect in combination with other antimicrobial substances
- pH-independent
- Increases emulsion stability by 60% at application concentration of 5%

Verified by ECOCERT COSMOS APPROVED

WWW.NATRUE.ORG

NON GMO

VEGAN

HALAL

ISO 16128

ISO 16128

Natural Index	0
Natural Origin Index	1

INCI-Name	Pentylene Glycol
Source	Sugar cane / Corn
Efficacy Spectrum	**Bacteria:** ● **Yeast:** ◐ **Mould:** ◐
pH-range	pH independent -
Recommended concentration [%]	1.00 - 3.00
Substance Class	Diols
Function	• Humectant • Skin conditioning • Solvent • Antimicrobial
Type of Formulation	• W/O • Surfactant Based • Waterfree • Water-Based • O/W
Solubility	• Water-soluble
Appearance	Clear liquid
Colour	Colourless
Odour	Odourless or faint
Combinable Products	• Cosphaderm® Magnolia Extract 98 • Cosphaderm® Zinc Lactate natural
Item No.	01-011-xxxx
CAS No.	• 5343-92-0

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