

iMOIST PCA

INCI Name (US): Sodium PCA
INCI Name (EU): Sodium PCA
CAS #: 28874-51-3

**General Information/
 Characteristics:**

Sodium PCA it is part of natural moisturizer factor on skin and provides stronger hydrating power than glycerin, sorbitol and propanediol. This naturally occurring humectant is the salt of pyrrolidone carbonic acid. It has high water absorbing properties and it is also considered to be hygroscopic. Sodium PCA then binds moisture to cells in an efficient way as it is a nonirritant to the eyes nor skin even at high concentrations. Sodium PCA can be used in all kinds of cosmetics products, like toner, cream, lotion, foundation, shampoo, facial cleanser and soap.

Benefits / Application:
Skin care benefits:

- Affinitive to hair, delivers moisture to hair.
- With good compatibility of skin, helps skin be soft, enhance skin elasticity.
- Excellent moisture absorption, twice of Polyethylene Glycol and 6 times of Sorbitol.
- Combining with Hyaluronic Acid, obtains excellent synergy.
- It has no irritation for skin and eyes.
- Delivers adhesion and moisturization.
- Used as an emollient and humectant to the skin.

Applications:

- Skin moisturizers and fresheners.
- Toner, essence.
- Anti-aging, illuminating and UV protecting creams.
- Leave-in conditioners, shampoos, conditioners and hair sprays.

Formulations Advices: Recommended use level: 2.0 - 5.0%

Regulatory Status: No specific regulation.

**Physical-Chemical
 Properties:**

Appearance: Liquid.
 Color: Colorless to light yellow.
 pH value: 6.0 - 7.5
 Solid content: 48 - 52%
 Lead: Max. 3.0 mg/Kg
 Mercury: Max. 1.0 mg/Kg

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Arsenic:	Max. 2.0 mg/Kg
Cl ⁻ Chloride ion:	Max. 0.07%
SO ₄ ²⁻ Chloride ion:	Max. 0.03%

Microbiology: Bacterial count Max: 500 KPE/g

**These values indicate typical specification; they are not intended to be used as product specifications.*

Additives: None.

Shelf Life / Storage Conditions: 2-year shelf life. Store in sealed containers, preferably away from heat or light.

Packaging: 25kg/drum.

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