



# Protachem SPCA <sup>[TM]</sup>

*INCI Name:* Sodium PCA – 50%

## Product Description

Protachem SPCA is the sodium salt of 2-pyrrolidone-5-carboxylic acid, enzymatically derived from glutamic acid (an amino acid) and is sold as a 50% aqueous solution.

Commonly referred to as the Natural Moisturizing Factor, Sodium PCA occurs naturally in human skin and is responsible for binding moisture to the cells.

Sodium PCA is a high performance humectant that can hold several times its weight in water.

These water binding properties make Protachem SPCA an ideal moisturizer for skin and hair care products.

## Features and Benefits:

- ▶ Found in skin and plays the role of a natural moisturizing factor ingredient.
- ▶ Extremely hygroscopic and imparts a pleasant moist feeling to skin and hair.
- ▶ Increases softness and elasticity of skin and hair.
- ▶ Good anti-static agent for hair care products.
- ▶ Stable in a broad range of temperature and pH.
- ▶ Rapidly biodegradable.
- ▶ Use in skin care, hair care, sun care and color cosmetic products.
- ▶ Typical Use Level: 1-5%

*Note: Do not use this product in formulas containing N-nitrosating agents.*

## SPECIFICATIONS

Appearance:	Colorless to pale yellow liquid
Nitrogen Content (%):	4.45 – 4.82
Specific Gravity:	1.25 – 1.30
Transmittance (%):	96% MIN
pH @ 25°C:	6.8 – 7.4
Solids (%):	48 to 52

**PROTAMEEN CHEMICALS INC**  
375 MINNISINK ROAD TOTOWA NJ 07511 USA  
TEL 973.256.4374

**INFO@PROTAMEEN.COM WWW.PROTAMEEN.COM FACEBOOK.COM/PROTAMEEN**