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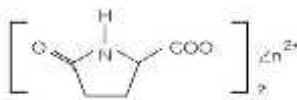
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SALILITE ZPCA PRODUCT INFORMATION SHEET (PERSONAL CARE)

General information		Product Description: Zinc PCA is the zinc salt of L-Pyrrolidone Carboxylic acid or L-PCA. L-PCA is obtained by the cyclization of L-glutamic acid, amino-acid from vegetal origin. It helps control acne and decrease sebum secretion while helping the skin retain its humidity. It is a physio-seboregulator. It uses Zinc as a universal and oligo-essential anti-seborrheic agent with antiseptic activity which limits bacterial proliferation. It uses L-PCA as a physiological vector optimizing zinc bioavailability and as a signal molecule to stimulate epidermal differentiation and reinforcing skin barrier function. A relatively simple molecule, it is naturally produced by our bodies and is one of the components of “natural moisturizing factor”, which our skin produces to slow down water loss. Chemical Stability and Compatibility: PCA salts are extremely compatible with foaming systems excluding certain amino acids. PCA salts are compatible with a wide variety of gelling agents such as vegetable and biotechnological gums. Storage & Handling Store in a well closed container at a temperature not exceeding 25° C protected from direct sunlight and moisture, unless otherwise specified.
Product Name	ZINC PIDOLATE	
Trade name	SALILITE ZPCA	
CAS No.	15454 – 75 – 8	
EINECS No.	239-473-5	
Molecular Formula	C ₁₀ H ₁₂ N ₂ ZnO ₆	
Molecular Weight	321.62	
Structural Formula		
Specifications		Shelf Life: If stored at ambient temperature, in the original sealed container, Zinc PCA has an initial shelf life of 3 years from the date of manufacturing. Recommended Use and dosage level: In cosmetics and personal care products, Zinc PCA used as moisturizer, anti-odor, sebum suppression agent in body care formulations. It can also be used as odor control agent and skin conditioning agent in foot care and deos. It is used in hair care applications as sebum suppression agent, conditioning agent, and for scalp treatment. Typical dosage level of Zinc PCA is upto 1%.
Appearance	White crystalline powder	
Solubility	Soluble in water, freely soluble in hot water	
Identification		
a) Zinc	Shall pass the test	
b) Pyroglutamic Acid	Shall pass the test	
Clarity and colour of 10% solution	Should be clear and colourless (B8)	
pH (10% w/v solution)	5.0 – 7.0	
Chloride	Not more than 500 ppm	
Sulphate	Not more than 500 ppm	
Heavy metals	Not more than 10 ppm	
Arsenic	Not more than 2 ppm	
Water content	Not more than 12%	
Assay as Zinc (On anhydrous basis)	19.3% - 21.3%	