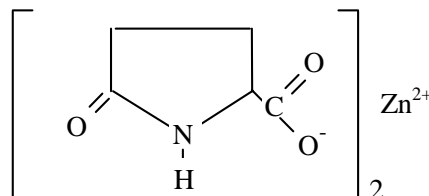


DEFINITION

ZINCIDONE® is the zinc salt of the L-Pyrrolidone Carboxylic Acid (L-PCA).

L-PCA is obtained by the cyclization of the L-glutamic acid, amino acid from vegetal origin.



PRESENTATION

- | | |
|---|---|
| • Sample | plastic pot – 30 g |
| • Code / Packaging
<i>to be mentioned with your order</i> | C0019AC - cardboard box 5 kg
C0019BF - can 25 kg |

ORGANOLEPTIC CHARACTERISTICS

- | | |
|---------------------|-----------------------|
| • Appearance | powder |
| • Color | white to creamy white |

ANALYTICAL CHARACTERISTICS MODIFICATION

- | | | | |
|---|-----------|--|------------------|
| • Clarity - 10% aqueous solution
<i>Eur. Ph. 6.0 §2.2.1</i> | clear | • Lead
<i>Eur. Ph. 6.0 §2.2.57</i> | ≤ 40 ppm |
| • Color - 10% aqueous solution
<i>Eur. Ph. 6.0 §2.2.2</i> | ≤ B8 | • Arsenic
<i>Eur. Ph. 6.0 §2.4.2 A procedure</i> | ≤ 2 ppm |
| • pH - 10% aqueous solution
<i>Eur. Ph. 6.0 §2.2.3</i> | 5.0 - 6.0 | • Zinc*
<i>Eur. Ph. 6.0 §2.5.11</i> | 19.4 % to 21.3 % |
| • Water content
<i>Eur. Ph. 6.0 §2.5.12 B procedure</i> | ≤ 7.0 % | • Pidolic acid*
<i>Acidimetry</i>
<i>* on dried basis</i> | 78.3 % to 82.3 % |

IDENTIFICATIONS MODIFICATION

- | | |
|---|----------------------------|
| • Zinc
<i>Eur. Ph. 6.0 §2.3.1</i> | Conform |
| • Pidolic acid
<i>Eur. Ph.. 6.0 §2.2.27</i> | Same Rf than the reference |

- Anti greasy skins
- Antibacterial and inhibitor of 5 α -reductase
- Purifying and anti-shine products

SOLUBILITIES

- | | | | |
|------------------------|----------------|--------------------------------|-----------|
| • Water | freely soluble | • Propylene glycol | soluble |
| • Alcohol (50%) | soluble | • Mineral/ vegetal oils | insoluble |

SAFETY TESTS

- | | |
|---|--|
| • Acute oral toxicity
<i>OCDE n°401, pure product</i> | non toxique, LD50 > 2g/kg |
| • Primary cutaneous irritation
<i>OCDE n°404, pure product</i> | non irritant |
| • Ocular irritation in vitro
<i>HETCAM, solution at 10%</i> | moderately irritant |
| • Sensitizing potential
<i>OCDE n°406, pure product</i> | non sensitizing to very slightly sensitizing |
| • Superficial cutaneous aggressiveness
<i>On guinea pig, pure product</i> | non irritant |
| • Mutagenicity
<i>Ames test</i> | non mutagenic |

STORAGE

- | | |
|------------------------------|--|
| • Shelf life | 5 years in original packaging |
| • Preservative system | unpreserved |
| • Storage conditions | store in closed recipients at room temperature, protected from light. Do not use recipients containing iron or aluminium |

LEGISLATIVE INFORMATION

- | | |
|----------------------------------|---------------------|
| • I.N.C.I / C.T.F.A | Zinc PCA |
| • CAS | 15454-75-8 |
| • EINECS | 239-473-5 |
| • Other regulation status | registered in Japan |
| • Customs code | 2933-79-00 |