

L-MAGNESIUM PIDOLATE

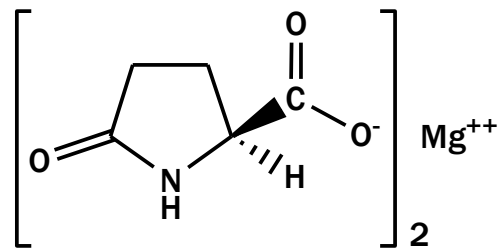
Réf. C0002

DEFINITION

L-Magnesium Pidolate is the magnesium salt of L-Pyrrolidone Carboxylic Acid (L-PCA).

L-PCA is obtained by cyclization of L-glutamic acid, an amino acid from vegetal origin. L-PCA improves the bioavailability of the mineral it carries while optimizing its tolerance.

The daily recommended dose of 300 mg of magnesium is equivalent to 3.46g of L-Magnesium pidolate (1g magnesium \cong 11.6g L-Magnesium Pidolate).



PRESENTATION

- Samples** plastic pot - 50 mL (\cong 30 g)
- Code / Packaging** C0002AF – 25 kg cardboard box
To be mentioned on your order C0002JK – big bag on request

DETERMINATIONS AND TESTS

According to methods and standards of the European Pharmacopoeia

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|-----------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|
| <ul style="list-style-type: none"> Characters | <ul style="list-style-type: none"> • Appearance • Color • Odor | Powder
White to creamy white
Characteristic | |
| | <ul style="list-style-type: none"> Identifications | <ul style="list-style-type: none"> • Magnesium • Pidolic Acid | Positive
Same Rf than the reference |
| | <ul style="list-style-type: none"> Characteristics | <ul style="list-style-type: none"> • Aspect of the S solution • pH of the S solution • Specific rotation (on dry basis) • Colour • Water | Clear
5,5 to 7,0
-26,5° to -23,3°
\geq B8
\leq 8,0% |
| <ul style="list-style-type: none"> Related substances | <ul style="list-style-type: none"> • N-5(oxo 2-pyrrolidinyl) carbonyl glutamic acid (B) • other impurities • Impurity A | \leq 1,0%
\leq 0,5 %
\leq 0,6 % | |



L-MAGNESIUM PIDOLATE

• Tests

• Sulphates	≤ 0,1%
• Chlorides	≤ 500 ppm
• Iron	≤ 200 ppm
• Heavy metals	≤ 20 ppm
• Nitrates	≤ 200 ppm
• Arsenic	≤ 2 ppm

• Assays

• Magnesium on dried basis	8,49% to 8,84%
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TOXICITY

• Acute toxicity <i>LD 50 oral route /rat</i>	> 15,000 mg/kg
• Primary cutaneous irritation <i>02.21.1982 J.O</i>	slightly irritant
• Ocular irritation <i>10.24.1984 J.O</i>	very slightly irritant

STORAGE

• Shelf life	3 years in unopened original packaging
• Storage conditions	Temperature below 25°C on close containers, protected from air and humidity (hygroscopic product)

INFORMATION

• Other usual names	Magnesium Pidolate / Magnesium L-Pyroglutamate
• CAS	62003-27-4
• EINECS	263-365-7
• Customs code	2933-79-00