

## Certificate of Analysis

Producer Fertikal N.V. certifies that the quality of the goods are in accordance with the European standards for pasteurization (Regulation (EC) No.1069/2009) and are from Belgian origin.

NPK 12-2-5 + 5 Mg is an ecologically sound fertilizer pellet free from pathogens. It contains organic material such as humic acids able to release micro-nutrients in the soil. The nutrients gradually become available for absorption by the roots of the crop.

Sound fertilization with NPK 12-2-5 + 5 Mg prevents deficiency symptoms during the growing season. This positive effect of NPK 12-2-5 + 5 Mg represents a considerable saving of chemical fertilizers. This benefits the environment and prevents degradation of soil fertility.

Besides these benefits, the use of NPK 12-2-5 + 5 Mg leads to an increase in the microbiological activity in the soil. The organic substances in NPK 12-2-5 + 5 Mg are broken down by the soil fauna into humic acids. Organic matter improves soil structure, soil water holding capacity and soil permeability. These parameters are crucial for root development.

A large proportion of the product consists of protein made up of amino acids. These amino acids are gradually released as a result of the breakdown of the organic structures. The slow release character allows plants to use the nutrients before leaching occurs.

### Technical specifications - Fertikal Product NPK 12-2-5 + 5 Mg organo-mineral fertilizer

#### Physical composition

Dry matter	: 88 % min
Humidity	: 12 % max
Organic matter	: 30 % min
Density	: 725 - 800 kg / m <sup>3</sup>
Pellet diameter	: 4-5 mm

#### Chemical composition

Nitrogen (N) total	: 12%
Phosphorus (P)	: 2.0%
Potassium (K)	: 5.0%
Calcium (Ca)	: 3.0%
Magnesium (Mg)	: 5.0%
Sulphur (S)	: 1.8%
Sodium (Na <sub>2</sub> O)	: 0,5% max
Chlorine (Cl)	: 0,5% max
pH (10 % solution )	: 6,9
C/N	: > 1

#### Trace elements (average)

Iron	: 400 mg/kg
Manganese	: 150 mg/kg
Zinc	: 150 mg/kg
Copper	: 40 mg/kg
Boron	: 15 mg/kg
Molybdenum	: 4.0 mg/kg

#### Heavy Metals

Arsenic	: < 2,0 mg/kg
Cadmium	: 0,22 mg/kg
Chromium	: < 10 mg/kg
Mercury	: < 0,05 mg/kg
Lead	: < 5 mg/kg
Nickel	: < 5 mg/kg

#### Attention !

*As this is a 100% natural product there may be analysis deviations between different production batches that can go up to ± 10-15%.*