



Knowledge grows

BOLIFOR® Mag33

Magnesium supplement - Feed Grade

Sales specification

Product Properties	
Magnesium (Mg)	33%
Relative solubility in	
- neutral ammonium citrate	97%
Phosphorus	2.7%
Relative solubility in	
- 2% citric acid	99%
- neutral ammonium citrate	99%
Sodium (Na)	4.5%
Chlorine (Cl)	7%
Calcium (Ca)	1.7%
pH	10-11
Ash insoluble in 3N HC	5%
Moisture (mechanical free water)	< 1%

Physical Properties	
Appearance	Fine granules >80% within 0.2-2.0 mm, guaranteed when delivered from factory
Bulk density kg/m ³	950-1050
Water activity	aw < 0.70

Identification

Chemical complex of $MgHPO_4 \times 3H_2O$, MgO $Mg(OH)_2$, $NaCl$
 CAS No. 7757-86-0, 1309-48-4, 1309-42-8, 7647-14-5
 EINECS No. 231-823-5, 215-171-9, 215-170-3, 231-598-3

Description

BOLIFOR® Mag33 appears as off-white granules. The granules are practically odourless and have a slight salty taste which effectively masks the bitter taste of MgO .

A unique combination of a superior quality magnesium source, phosphoric acid and vacuum salt.

The precisely controlled reaction produces a dust-free, easily dispersed granule of magnesium phosphate and magnesium oxide coated with sodium chloride. The high availability of magnesium from magnesium phosphate and very finely ground magnesium oxide ensure maximum nutritive value.

All raw materials, of exclusively mineral origin, are carefully selected and continuously monitored for nutrient content, levels of undesirable substances and reactivity.

Nutritive value

Trial data show significant differences in magnesium digestibility and solubility between and within the different generic types of magnesium sources. BOLIFOR® Magnesium phosphates are regularly evaluated in terms of solubility. Results show consistently that BOLIFOR® Magnesium sources are superior in solubility and consistency.



Directions for use

BOLIFOR® Mag33 is a unique product designed to overcome the palatability problems of conventional magnesium sources ensuring the daily required intake of magnesium. BOLIFOR® Mag33 is well suited for all diets where extra magnesium is needed. It can be incorporated into any feeding system such as compound feed, mineral supplements or use for ad lib free access minerals to prevent magnesium and phosphorus deficiencies in mainly cattle and horses but also pigs, poultry and all other animals.

Transport and transport regulation

Transport on road, on rail and by sea. Not classified as dangerous goods

Quality check references

Phosphorus:	
Extraction:	
- total	Comparable with Regulation (EC) No 2003/2003 method 3.1.1.
- in 2% citric acid	Regulation (EC) No 2003/2003 method 3.1.3.
- in alkaline ammonium citrate	Regulation (EC) No 2003/2003 method 3.1.5.1
- in water	Regulation (EC) No 2003/2003 method 3.1.6.
Determination	Comparable with Regulation (EC) No 2003/2003 method 3.2.

Calcium:	
Extraction:	
- total	Comparable with Regulation (EC) No 2003/2003 method 3.1.1.
Determination	Comparable with Directive 71/250/EEC method 3

pH	1 % solution, in water
Ash insoluble in 3N HCl	Directive 71/250/EEC method 6.
Moisture (mechanical free water)	Acetone wash, ambient temperature

Classification, labelling and packaging

The product is not classified as hazardous according to EU regulations.

Labelling conforms to Regulation (EC) No 767/2009 of the European Parliament and of the Council and to Commission Regulation (EU) No 68/2013.

Packaging available in 25 kg,1000 kg and bulk.

Handling and storage

BOLIFOR® Mag33 should be stored indoors in a dry and cool place in properly sealed packaging. When handled and stored according to instructions the shelf life is three years.

Yara Animal Nutrition

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Yara, Animal Nutrition is part of the Cefic Sector Group Inorganic Feed Phosphates

The information above is intended to serve as guidelines and does Not constitute a guarantee. We reserve the right to make changes. Valid from 2014-05-01.

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