



Knowledge grows

PHOSSURE 12

Weather resistant phosphate-trace-mineral supplement (V12858)

Sales specification

Product Properties	Typical Analysis
Total Phosphorus (P)	12 % (min)
Calcium	24 (max) typically 13.3 %
Copper	600 mg/kg
Manganese	2400 mg/kg
Zinc	2400 mg/kg
Iodine	30 mg/kg
Cobalt	6 mg/kg
Selenium	16 mg/kg

Physical Properties	
Appearance	Light brown fine powder
Particle sizes	0.5 – 1.2 mm
Bulk Density (untamped)	600 - 900 kg/m ³
Chemical solubility and biological availability	Good

Undesirable Elements	Act 36/1947	PHOSSURE 12 Values
Fluorine (F)	Max 0.8 g/kg	Max 0.8 g/kg
Cadmium (Cd)	Max 6 mg/kg	Max 3 mg/kg
Aluminum (Al)	Max 20 mg/kg	Max 20 mg/kg

Identification

Chemical Substances

Mono dicalcium Phosphate
Condensed molasses solubles
Trace minarals
Feed lime

Synonyms:

P12, Wet season phosphate concentrate

Description

PHOSSURE 12 is a phosphate-trace mineral concentrate, which contains the essential trace minerals in the correct ratio to phosphorus.

PHOSSURE 12 is produced by blending mono dicalcium phosphate, spray dried molasses by-product, feed lime and specific amounts of trace minerals. The spray dried molasses by-product improves palatability and ensures water resistance.



Nutritive value

PHOSSURE 12 is produced from a high quality mono dicalcium phosphate (MDCP). Reputable independent research institutes regularly evaluate the digestibility of this MDCP in monogastric species.

Trial results consistently demonstrate that the MDCP in PHOSSURE 12 has a high bioavailability, comparable with the top of the range inorganic feed phosphates. Trial reports and digestibility coefficients are available on request.

Recommended use / application

This product is recommended for use in concentrates, compound feeds, mineral feeds and free choice supplements for cattle, sheep, goats, horses and game.



Quality check references

Total Phosphorus	AOAC Official Method of Analysis, 1990, 15th Ed. AOAC Method 957.02 B9e.
Phosphorus solubility: In 2% citric acid	Methods of the Fertilizer Chemists' Liaison Committee, South Africa Method No. Fd-03: 1991 AOAC 958.01, or 969.02C or 962.02C. Directive 77/535/EEC, method 3.1.3)
In alk amm citrate	Petermann method: 65°C (Directive 77/535/EEC, method 3.1.5)
Total calcium	AOAC Official Methods of Analysis, 15th Ed. 945.03 Ca (Acid-Soluble) in Fertilizers Titrimetric Method I Final Action
pH	1% solution
Moisture (free moisture)	(AOAC) Official Methods of Analysis, 1990, 15th Ed. 965.08 Vacuum-Desiccation Methods First Action 1965 – Final Action 1974.
Undesirable elements	AOAC Official Methods of Analysis, 15th Ed., Cd, 974.27, As, 957.22.

Classification, labelling and packaging

PHOSSURE 12 is packed in 50kg woven polypropylene (WPP) bags with a polyethylene inner liner.

Handling and storage

PHOSSURE 12 must be stored under cover in a cool dry place to ensure a shelf life of at least 2 years.

Transport and transport regulations

PHOSSURE 12 is non toxic and not classified as hazardous under transport regulations.

Detailed Safety Data Sheets are available on request from local agents or the manufacturer.

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The information above is intended to serve as guidelines and does Not constitute a guarantee. We reserve the right to make changes. Valid from: 2015-10-01. Replaces all previous data sheets. English

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