



**PRODUCT INFO
& DATASHEET**

SICO-FMP

Fused Magnesium Phosphate

Natural fertiliser with 18 or 20% P₂O₅ + 30% CaO + 27% SiO₂ + 12% MgO.

- Origin : China -

08/2018

1. PRODUCT NAME

Fused Magnesium Phosphate fertiliser (FMP)

- Other names

Calcium Magnesium Phosphate (CMP)

Thermophosphate / Fertilizantes Termofosfatos

- HS Code

3103 9000

2. PRODUCT DESCRIPTION

Natural fertiliser, not processed by chemicals.

Although its P is not highest (when compared with GTSP / DAP) it contains also Ca, Mg, SiO₂ which are important plant nutrients. It is an alkarine fertiliser (with SiO₂ + MgO) very beneficial to soils to prevent acidification (esp. on soils on which acid fertilisers have been used for a long time). Can decrease soil pH value.

3. PRODUCT SPECIFICATIONS

- Calculated analysis

	TYPE 1	TYPE 2	
	Standard specifications	Standard specifications	Test result
Total P ₂ O ₅	min. 17.5 % or 18 % *	min. 20 %	18.6 % resp. 20.2 %
Moisture	max. 3.0 %		1.2 %
SiO ₂	27 %		27.8 %
CaO	30 %		30.8 %
MgO	12 %		12.1 %
Alkari	min. 40 %		42.9 %
pH	7.0 – 7.5		7.1

Heavy metals:

Ar	0.0002 %
Cd	0.00012 %
Ni	0.0941 %
Cr	0.0047 %
Ti	0.0061 %

- **Solubility** : 100% disperses in water within 5 minutes

- Forms

* TYPE 1

- 1/ in sand (min. 18% P₂O₅)
- 2/ in powder (min. 17.5% P₂O₅) 65% mesh, 80% min., greyish color
- 3/ in granules (min. 17.5% P₂O₅) 1-5mm size, 90% min., greyish color

TYPE 2

1/ in sand (min. 20% P₂O₅)

P.S.: P₂O₅ content diminishes to min. 17.5% when grinding sand into powder or forming granules.

4. USAGE

General field fertiliser for direct usage/broadcasting (ao on sugarcane, etc).

5. PACKING

- 50 kg wpp+pe, loose bags about 27 MT/20ft fcl
- bulk in container

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SAP INTERNATIONAL CORPORATION bvba Krekelenberg 69, B-2980 Zoersel, Belgium
Tel. +32-3-309.06.51 Fax. +32-3-309.19.31 Email : info@sico.be Website : www.sico.be

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