

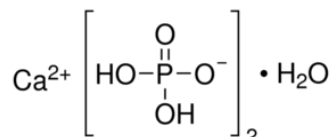
**Office:**

Tomás Diago 748  
 Montevideo – Uruguay  
 Tel.: +598 2710 4348 – 2710 6351  
 Fax: +598 2711 7516  
 Email: [sales@dirox.com.uy](mailto:sales@dirox.com.uy)  
 Web: [www.dirox.com.uy](http://www.dirox.com.uy)

**Plant:**

National Route N° 1 Km. 48  
 Libertad – San José - Uruguay  
 Tel.: +598 4345 4186 - 4256  
 Fax: +598 4345 4255  
 Email: [secretarialib@dirox.com.uy](mailto:secretarialib@dirox.com.uy)  
 Web: [www.dirox.com.uy](http://www.dirox.com.uy)

### Mono Calcium Phosphate (MCP) T – Feed Grade



**Calcium biphosphate; Monobasic calcium phosphate; Calcium dihydrogen phosphate; Acid calcium phosphate; Primary calcium phosphate**

#### CHEMICAL CHARACTERISTICS

CAS N°:	10031-30-8
EINECS N°:	231-837-1
Molecular Formula:	Ca(H <sub>2</sub> PO <sub>4</sub> ) <sub>2</sub> ·H <sub>2</sub> O or CaH <sub>6</sub> O <sub>9</sub> P <sub>2</sub>
Molecular Weight (g/mol):	252.07
Physical Description:	White granular powder
Density, t/m <sup>3</sup> :	0.85 – 0.95

#### TECHNICAL PROPERTIES

Mass fraction of total phosphorus (in terms of P), %	22.7 +/- 0.3
Solubility, % of total mass:	
- in 2% citric acid, not less than %	98
- in hydrochloric acid, not less than %	98
- in water, not less than %	73
Mass fraction of total calcium (Ca), %	18 +/- 1
Mass fraction of fluorine (F) not more than, %	0.2
Mass fraction of arsenic (As) not more than, ppm	10
Mass fraction of lead (Pb), not more than, ppm	15
Mass fraction of cadmium (Cd), not more than, ppm	10
Mass fraction of mercury (Hg), not more than, ppm	0.1
Humidity, not more %	3.0
Particle size:	
- > 2.0 mm, %	0
- 0.2 mm – 2.0 mm, not less than, %	85
- < 0.2 mm, not more than, %	15

#### APPLICATION

Monocalcium Phosphate (MCP) is used as a food supplement for livestock and poultry. Monocalcium phosphate acts as a restorative for mineral deficiencies (phosphorous and calcium) in a diet. It facilitates the metabolism of livestock and poultry, strengthening their bone structure, immune and reproductive systems.



**Office:**

Tomás Diago 748  
 Montevideo – Uruguay  
 Tel.: +598 2710 4348 – 2710 6351  
 Fax: +598 2711 7516  
 Email: [sales@dirox.com.uy](mailto:sales@dirox.com.uy)  
 Web: [www.dirox.com.uy](http://www.dirox.com.uy)

**Plant:**

National Route N° 1 Km. 48  
 Libertad – San José - Uruguay  
 Tel.: +598 4345 4186 - 4256  
 Fax: +598 4345 4255  
 Email: [secretarialib@dirox.com.uy](mailto:secretarialib@dirox.com.uy)  
 Web: [www.dirox.com.uy](http://www.dirox.com.uy)

**PACKING & STORAGE**

Monocalcium Phosphate (MCP) is packed in 25 kg polypropylene bags or special big bag containers (4 sling) with a maximum mass of 900 - 950 kg.  
 Monocalcium Phosphate (MCP) is stored in the manufacturer's packaging in dry heated storage rooms on wooden shelves or pallets at a temperature of 10°C to 30°C, relative humidity of 70%.

**GUARANTEED SHELF LIFE**

Recommended shelf life of Monocalcium Phosphate (MCP) is 24 months from the manufacture date.  
 No expiry date when stored according to requirements.

**TRANSPORT**

Monocalcium Phosphate (MCP) can be transported by all types of transport in accordance with Goods Transport Rules applicable for this vehicle of product.

**CERTIFICATION**

Product safety is confirmed by the Safety Data Sheet.

By more information contact to: [sales@dirox.com.uy](mailto:sales@dirox.com.uy)

