



	
Material Group:	310823
Date:	Oct 2018

DESCRIPTION

General Description Monopotassium phosphate food grade Hygroscopic white crystals. Risk of caking.		Date effective – edition November, 2017 – 02
Grade Food grade	E number(s) E 340	Formula KH ₂ PO ₄
Molecular weight 136	EINECS 231-913-4	CAS number 7778-77-0

PRODUCT CHARACTERISTICS

Chemical properties	Unit	Typical analysis	Specifications	Methods
Total P ₂ O ₅ (anhydrous)	%	52.1	51.6 – 53.0	PLC 20
Assay	%	99.9	99.0 Min.	Calculation
pH solution 1%		4.5	4.3 – 4.7	PLC 07
Insoluble matters	%	0.02	0.20 Max.	PLC 03
Loss on desiccation @ 105°C	%	< 0.05	0.50 Max.	PLC 13
<u>Impurities content</u>				
Pb	ppm	< 0.5	1.0 Max.	PICP 05
As	ppm	0.1	1.0 Max.	PICP 04
F	ppm	2.7	10.0 Max.	PLC 14
Cd	ppm	< 0.1	1.0 Max.	PICP 05
Hg	ppm	< 0.1	0.1 Max.	PICP 04
Heavy metals (as Pb)	ppm	< 10	10 Max.	PLC 08
<u>Physical properties</u>				
<u>Granulometry</u>				
Cumulated retain on: 1000 µm	%	1	4 Max.	PLC 09
420 µm	%	34	0 – 50	PLC 09
150 µm	%	87	55 – 98	PLC 09
45 µm	%	97	85 – 100	PLC 09

THEORETICAL VALUES

Solubility	22 g/100 g water @ 20 °C
K ₂ O content	34.6 %

IDENTIFICATION TEST

Positive tests for potassium and phosphate

HACCP

Control measure	Title	Critical limits tested by our means	Acceptable level
CCP 1 (Bags) – Metal detector	Detection of metallic particles	Non-ferrous = 2.0 mm Ferrous = 2.1 mm Stainless steel = 2.0 mm	No positive controls on the detector
CCP 2 (BB outsourced) – Metal detector	Detection of metallic particles	Non-ferrous = 2.0 mm Ferrous = 2.1 mm Stainless steel = 2.0 mm	No positive controls on the detector

prayphos™
PRAYPHOS™ MKP FG

STORAGE & SHELF LIFE

Store in a cool, dry and odorless place. Protect from humidity. Keep in the packaging of origin, shrink-wrapped.
Best before: 2 years after production date.

KEY PROPERTIES

Buffering agent, mineral enrichment.

MAIN APPLICATIONS

- Buffering agent
- Mineral supply
- Water treatment

Plant location	Puurs – Belgium
Packaging types	Polyethylene bags of 25 kg net
Handling precautions	See MSDS

CERTIFICATIONS

ISO 9001 (Quality) – OHSAS 18001 (Security) – ISO 14001 (Environment) – FSSC 22000 (Food Safety) – Kosher Pareve Passover – Halal

REGULATIONS

Meets the requirements of current European Community regulations for Food additives (Council Regulation 2012/231/EC), as well as the current edition of the Food Chemical Codex (FCC). Are subject to a quantitative limitation fixed by the consolidated edition of the European Community Regulation 2008/1333/EC – Annex II.
Meets the requirements of Regulation 767/2009/EC on the placing on the market and use of feed and Regulation 2013/68/EC on the Catalogue of Feed Materials. Directive 2002/32/EC on undesirable substances in animal feed.
Prayphos™ MKP FG complies with the specifications of the current European Pharmacopoeia and US Pharmacopoeia.

MICROBIOLOGICAL DATA

This product is not conducive to microbial development or growth. The microbial innocuousness is supported by the properties of the raw materials, the manufacturing processes and the physicochemical properties of the end product.

PRODUCT SPECIFICATION DATA SHEET



FOOD



NUTRITIONAL DATA

Nutritional data (USA)	Value per 100 g	Unit	Nutritional data (EU)	Value per 100 g	Unit
Calories	0	Kcal	Energy	0	kJ
Total fat	0	g		0	kcal
of which saturated fat	0	g	Fats	0	g
of which trans fat	0	g	of which saturated fat	0	g
Cholesterol	0	mg	Carbohydrates	0	g
Total carbohydrate	0	g	of which sugars	0	g
of which dietary fibers	0	g	Fibers	0	g
of which sugars	0	g	Proteins	0	g
Protein	0	g	Salt	0	g
Vitamin D	0	mg			
Ascorbic Acid	0	mg			
Thiamin	0	mg			
Riboflavin	0	mg			
Niacin	0	mg			
Vitamin B6 & B12	0	mg			
Sodium	0	mg			
Phosphorus	22 767	mg			
Potassium	28 731	mg			
Calcium	0	mg			
Iron	0	mg			

ALLERGEN

The following allergens and derivatives thereof are negative, not present or absent within the product, the production process, the production line and there is no risk for cross contamination

Major allergens	Other allergens/intolerance
Cereals containing gluten, namely: wheat (such as spelt and khorasan wheat), rye, barley, oats or their hybridised strains	Fruits
Crustaceans	Legumin
Eggs	Umbelliferous
Fish	Poppy seed
Peanuts	Sunflower seed
Soybeans	Yeast
Milk (including lactose)	Vegetable oils
Nuts i.e. Almond (<i>Amygdalus communis</i> L.), Hazelnuts (<i>Corylus avellanas</i>), Walnuts (<i>Juglans regia</i>), Cashews (<i>Anacardium occidentale</i>), Pecan nuts (<i>Carya illinoensis</i> (Wangenh) K.Koch), Brazil nuts (<i>Bertholletia excelsa</i>), Pistachio nuts (<i>Pistacia vera</i>), Macadamia nuts and Queensland nuts (<i>Macadamia termifolia</i>)	Glutamate
Celery	Paprika
Mustard	Vanillin
Sesame seeds	Coriander
Sulphur dioxide and sulphites at concentrations of more than 10 mg/kg or 10 mg/litre expressed as SO ₂	Cinnamon
Lupin	Cocoa
Molluscs	Artificial & natural flavourings
Other allergens/intolerance	Artificial & natural colours (including E102, E110, E122, E123, E124)
Animals products (including gelatin)	Sugars & sweeteners
Propolis, honey, bee pollen, royal jelly	Benzoic acid (E210=>E213)
Vegetables	Sorbic acid (E200=>203)
	BHA/BHT (E320=>E321)
	Paraben (E214=>E219)
	Gallate (E310)
	FDC #5
	Brilliant black PR

Head office - Prayon S.A. – Rue Joseph Wauters 144, 4480 Engis, Belgium

Tel.: 00 32 4 273 92 11 – Fax: 00 32 4 273 96 35

For further information on our Products & Services, visit our Web site

www.prayon.com



prayphos™
PRAYPHOS™ MKP FG

STATEMENTS

GMO: This product is not genetically modified or not derived from a genetically modified organism as defined by the EC regulations 1829/2003/EC. This product is not concerned by the requirements of the regulation 1830/2003/EC in term of traceability and labelling relating to GMO or containing GMO.

Animal derivatives: The raw materials used in the production of these products are derived from naturally occurring mined and purified products. They do not contain material of animal origin or animal derivative
There is no BSE or TSE contamination risk during manufacturing. The finished product does not contain materials with the risk of Bovine Spongiform Encephalopathy (BSE) or Transmissible Spongiform Encephalopathy (TSE).

Pesticides: This product comply with Regulation 2005/396/EC on maximum level of pesticides in or on food and feed and animal origin and its amendments

Ionisation: This product is not treated with ionising radiation according to the Directive 1999/2/EC of the European parliament and of the council of 22 February 1999 on the approximation of the laws of the Member States concerning foods and food ingredients treated with ionising radiation

Packaging food grade: the packaging is in conformity with the following regulation 10/2011/UE on plastic materials and articles intended to come into contact with food & regulation 1935/2004/EC relating to materials and articles intended to come into contact with food

MISCELLANEOUS

Although the information and recommendations set forth herein are presented in good faith and believed to be correct as of the date hereof, Prayon makes no representations or warranties as to the completeness or accuracy. Information is supplied upon the condition that the persons receiving the same will make their own determination as to its suitability for their purposes prior to use. Additionally, it is the user's responsibility to verify, in every case, the local legislation related to the use of the product. In no event will Prayon be responsible for damages of any nature resulting from the use of or reliance upon information or the product to which information refers. Nothing contained herein is to be construed as a recommendation to use any product, process, equipment or formulation in conflict with any patent and Prayon makes no representation or warranty, express or implied, that the use thereof will not infringe any patent. The typical data set forth herein are based on samples tested and are not guaranteed for all samples or applications. The product specification limits are subject to change. Please contact Prayon for the most current data sheet. Deliveries are governed by the general sale conditions defined by Prayon.

VALIDITY

Subject to modification of the formulation of the product, the manufacturing process or the regulations, the validity of this sheet is 3 years

Whilst Univar believe this data to be correct and reliable, we are not responsible for its interpretation and its use, nor should it be construed as a permission to use any product or process in breach of existing patents. This data does not constitute any warranty other than conformity of the product to current specifications published by the sellers or its suppliers. Any relevant legislation governing the use of the product should be observed.

Univar Local Conditions of Sale apply to sales of all products.

Refer to the appropriate Safety Data Sheet for health, safety and environmental information