

PRODUCT SPECIFICATION DATA SHEET

FOOD



PRAYON

prayphos™
PRAYPHOS™ TSPP FG

DESCRIPTION

General Description Tetrasodium pyrophosphate anhydrous food grade Hygroscopic white powder. Risk of caking.		Date effective – edition August, 2018 – 01
Grade Food Grade	E number(s) E 450	Formula Na ₄ P ₂ O ₇
Molecular weight 266	EINECS 231-767-1	CAS number 7722-88-5

PRODUCT CHARACTERISTICS

Chemical properties	Unit	Typical analysis	Specifications	Methods
Total P ₂ O ₅ (anhydrous)	%	53.3	52.5 – 54.0	471 ME 029
Assay	%	98.8	95.0 Min.	471 ME 035
pH solution 1%		10.4	10.0 – 10.8	471 ME 019
Insoluble matters	%	< 0.02	0.20 Max.	471 ME 100
Loss on ignition @ 800°C	%	0.17	0.50 Max.	471 ME 021
Impurities content				
Pb	ppm	< 1.0	1.0 Max.	471 ME 110
As	ppm	< 1.0	1.0 Max.	471 ME 047
F	ppm	< 10.0	10.0 Max.	476 ME 008
Cd	ppm	< 1.0	1.0 Max.	471 ME 110
Hg	ppm	< 0.1	0.1 Max.	471 ME 049
Heavy metals (as Pb)	ppm	< 10	10 Max.	471 ME 056
Physical properties				
Bulk density	g/cm ³ lbs/ft ³	0.89 56	0.75 – 1.15 47 – 72	471 ME 001 Calculation
Granulometry				
Cumulated retain on:				
	800 µm	%	< 1	– 471 ME 002
	315 µm	%	< 20	– 471 ME 002

THEORETICAL VALUES

Solubility	5.6 g / 100 g water @ 20 °C
Na ₂ O content	46.6 %

IDENTIFICATION TEST

Positive tests for sodium and phosphate

HACCP

Main Production Line			
Control measure	Title	Critical limits tested by our means	Acceptable level
CCP (BB) – Magnet	Metallic particles blocked	Less particles than a standard picture	Magnets not overloaded with metallic particles
CCP (Bags) – Metal detector	Detection of metallic particles	Ferrous = 4.0 mm Non-ferrous = 4.5 mm Stainless Steel = 4.5 mm	No positive controls on the detector
Secondary Production Line			
CCP 1 (Bags & BB FG) – Metal detector	Detection of metallic particles	Ferrous = 3.5 mm Non-ferrous = 5.0 mm Stainless Steel = 4.5 mm	No positive controls on the detector
CCP 2 (BB FG) – Knife	Presence of fragments in final product	No fragments	Integrity of knife
CCP 3 (BB FG) – Sieve	Foreign bodies in final product	No foreign bodies	Integrity of sieve

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

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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

Alcaline pH buffering and cation complexation

MAIN APPLICATIONS

- Meat and fish treatment,
- Pet food,
- Dairy products

Plant location	Les Roches - France
Packaging types	Multiwall paper 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 – NSF / ANSI Std. 60 (Drinking Water Treatment Chemicals)

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.

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.



Drinking Water Treatment Additive
NSF/ANSI Standard 60
18 YN
Maximum use level: 14.0 mg/L



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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	86.5	g
Vitamin D	0	mg			
Ascorbic Acid	0	mg			
Thiamin	0	mg			
Riboflavin	0	mg			
Niacin	0	mg			
Vitamin B6 & B12	0	mg			
Sodium	34 589	mg			
Phosphorus	23 298	mg			
Potassium	0	mg			
Calcium	0	mg			
Iron	1.5	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), Coconut (<i>Cocos nucifera</i>), 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

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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

Ionization: This product is not treated with ionizing 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 ionizing 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

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VALIDITY

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