

PRODUCT SPECIFICATION DATA SHEET

FOOD



PRAYON

prayphos
PRAYPHOS™ DAP FG

DESCRIPTION

General Description Diammonium phosphate food grade Hygroscopic white crystals. Risk of caking.		Date effective – edition January, 2015 - 01
Grade Food grade	INS number(s) 342	Formula (NH ₄) ₂ HPO ₄
Molecular weight 132	EINECS 231–987-8	CAS number 7783-28-0

PRODUCT CHARACTERISTICS

Chemical properties	Unit	Typical analysis	Specifications	Methods
Total P ₂ O ₅ (as is)	%	53.7	53.8 Max.	ELC 20
Assay	%	> 96.0	96.0 - 102.0	CALCULATION
pH solution 1%		8.0	7.8 – 8.4	ELC 17
N ammoniacal	%	21.1	20.8 Min.	ELC 24
Insoluble matters	%	0.025	0.050 Max.	ELC 15
Impurities content				
Pb	ppm	< 1.0	1.0 Max.	EICP 01
As	ppm	< 2.0	2.0 Max.	EICP 25
F	ppm	< 10.0	10.0 Max.	ELC 01
Cd	ppm	< 1.0	1.0 Max.	EICP 01
Hg	ppm	< 1.0	1.0 Max.	EICP 24
Heavy metals (as Pb)	ppm	< 10	10 Max.	ELC 08
Cl	ppm	< 5.0	10.0 Max.	ELC 03
Fe	ppm	0.99	50.0 Max.	EICP 01
Sulfates (as SO ₃)	ppm	290.5	816 Max.	EICP 01
Sulfur ash	%	< 0.5	0.5 Max.	Oenological Codex
Physical properties				
Bulk density	g/cm ³ lbs/ft ³	0.94 59		ELC 12 CALCULATION
Granulometry				
Cumulated retain on :				
2000 µm	%	0		ELC 10
1400 µm	%	0.7		ELC 10
1000 µm	%	5.2		ELC 10
500 µm	%	54.5		ELC 10
250 µm	%	89.1		ELC 10
150 µm	%	97.7		ELC 10
Whiteness (L)		> 96.0		ELC 11

THEORETICAL VALUES

Solubility	69 g / 100 g in water @ 20 °C
N content	21.2 %

IDENTIFICATION TEST

Positive tests for ammonium and phosphate
Passes test for oxalic acid

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HACCP

Control measure	Title	Critical limits	Acceptable level
CCP 1-Sieve	Foreign bodies in final product	Mesh : 4 mm x 4 mm	Integrity of the sieve
CCP 2-Metal detector	Detection of metallic particles	Ferrous = 4.0 mm Non Ferrous = 4.0 mm Stainless steel = 4.0 mm	No positive controls on the detector

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.

APPLICATIONS

- Wine
- Alcoholic fermentation

Plant location	Engis - Belgium
Packaging types	Polyethylene bags of 25 kg net
Handling precautions	See MSDS

CERTIFICATIONS

ISO 9001 (Quality) – OHSAS 18001 (Security) – ISO 14001 (Environment) – ISO 22000 (Food Safety Standard) – Kosher Pareve Passover – Halal – Responsible Care -

REGULATIONS & STATEMENTS

Meets the requirements of the Food Chemical Codex (FCC) current and JECFA (1982).
Meets the requirements of the International Oenological Codex (Edition 2013)
GMO free – Allergen free – BSE/TSE free – Mineral origin

MISCELLANEOUS

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Kosher Passover Pareve

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