



PRAYON

DIAMMONIUM PHOSPHATE - DAP Technical Grade

DESCRIPTION

General Description DAP Crystal, diammonium hydrogen phosphate, ammonium phosphate dibasic. Secondary ammonium phosphate		Date effective – edition Mars, 2015-01
Grade Technical grade	Formula (NH ₄) ₂ HPO ₄	Molecular weight 132
EINECS 231-987-8	CAS number 7783-28-0	Combined Nomenclature Code 3105 30 00

PRODUCT CHARACTERISTICS

Chemical properties	Unit	Typical analysis	Specifications	Methods
N ammoniacal	%	21.1	20.8 Min.	ELC 24 – Titrimetry
Total P ₂ O ₅ (as is)	%	53.7	53.5 Min.	ELC 20 - Colorimetry
P	%	23.4	23.3 Min.	Calculation
Assay (as is)	%	98.3	96.0 – 102.0	Calculation
pH 1 % solution		8.0	7.8 – 8.4	ELC 17 – pH meter
Insoluble matters	%	< 0.025	0.05 Max.	ELC 15 - Gravimetry
Pb	ppm	< 1.0	1.0 Max.	EICP 01 – ICP*
As	ppm	< 2.0	2.0 Max.	EICP 25 – ICP*
Cd	ppm	< 1.0	1.0 Max.	EICP 01 – ICP*
Hg	ppm	< 1.0	1.0 Max.	EICP 24
Cl	ppm	< 5	10.0 Max.	ELC 03
Fe	ppm	1.2	50.0 Max.	EICP 01 – ICP*
Sulfates (as SO ₃)	ppm	390	816 Max.	EICP 01 – ICP*
Sulfur ash	%	< 0.5	0.5 Max.	Oenological Codex
Physical properties				
Bulk density	kg/m ³	1000	-	ELC 12
Solubility in water at 20 °C	g/l water	690	-	-
Form	Crystalline			
Odour	Odourless			
Colour	White			

* ICP: Inductively Coupled Plasma

IDENTIFICATION TEST

Passes test for oxalic acid



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STORAGE & SHELF LIFE

Store in a temperate and dry place, keep in the original packaging. To be used preferably within 2 years after production. Reclose partially used bags.

APPLICATIONS

- Fireproofing agent
- Fire extinguishing powders
- Nutrient for yeast and in many other fermentation processes
- Many other industrial processes

Plant location	Rue Joseph Wauters 144 – 4480 Engis, Belgium
Packaging types	Big bag on pallets (500, 900, 1000 kg) – FFS PE bags 25 kg, with a stretched plastic foil
Handling precautions	Cf. MSDS

CERTIFICATIONS

ISO 9001 (Quality) – OHSAS 18001 (Security) – ISO 14001 (Environment) – Kosher Pareve Passover – Halal – Responsible Care

REGULATIONS & STATEMENTS

GMO free – Allergen free – BSE/TSE free – Mineral origin
Meets the requirements of the International Oenological Codex (Edition 2013)

MISCELLANEOUS

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Kosher Passover
Pareve