TECHNICAL DATA SHEET

HORTIPRAY® MAP

DESCRIPTION

Product Function Category (PFC) Compound solid inorganic macronutrient fertiliser PFC 1(C)(I)(a)(ii)		**Date effective - edition** October, 2025 - 01
General Description NP fertiliser 12-61 Hygroscopic odourless white powder. Risk of caking.		**Grade** Horticultural grade
Granulometry Powder. 90 % of the product passes through sieve of 1 mm.		
Ingredients, CAS number & Component Material Category (CMC) Monoammonium phosphate[1] (CAS n°: 7722-76-1) - [1]Virgin material substances and mixtures (CMC 1)		
Formula $(NH_4)H_2PO_4$	**EC number** 231-764-5	**Molecular weight** 115
Declared nutrients 12 % Total nitrogen (N) 12 % Ammoniacal nitrogen (N) 61 % Total phosphorus pentoxide (P_2O_5) 61 % Phosphorus pentoxide (P_2O_5), water-soluble 61 % Phosphorus pentoxide (P_2O_5), soluble in neutral ammonium citrate		

PRODUCT CHARACTERISTICS

Chemical properties	**Unit**	**Typical analysis**	**Specifications**	**Methods**
N-NH_4 (ammoniacal)	%	12.2	10.5 - 13.5	ELC 24
Total P_2O_5 (as is)	%	61.5	59.5 - 62.5	ELC 20
P	%	26.8	25.9 - 27.3	ELC 99
pH solution 1%		4.5	4.2 - 4.8	ELC 17
Insoluble matters	%	0.03	0.05 Max.	ELC 15
Impurities content				
Sulfate (as SO_3)	ppm	457	1000 Max.	EICP 01
Physical properties				
Bulk density	g/cm³ lbs/ft³	1.02 64	- -	ELC 12 Calculation

THEORETICAL VALUES

Solubility	365 g/L water @ 20°C
Electrical conductivity (@ 1g/L water and 20°C)	0.78 mS/cm

PLANT LOCATION

Engis - Belgium

CE

Head office – Prayon S.A. – Rue Joseph Wauters 144, 4480 Engis, Belgium
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For further information on our Products & Services, visit our Web sites :
www.prayon.com and www.hortipray.com

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MAIN APPLICATIONS

- Horticulture
- Water soluble fertiliser for fertigation, hydroponics and vertical farming
- Provide nutrients for plants
- Foliar application
- Ingredient of NPK blends
- Control of pH

HANDLING PRECAUTIONS

Storage	Store in a temperate and dry place, keep in the original packaging. Reclose partially used bags.
Packaging types	Bags and/or bigbags - Other packaging types could be available on request
Safety informations	See SDS

USE

Instructions for use and application rates: For professional use only. Application rate depends on crop conditions. Farmers are advised to contact their advisor to determine the recommended application rate for their specific situation.

CERTIFICATIONS

ISO 9001 (Quality) – ISO 14001 (Environment) – ISO 45001 (Health & Safety) – Kosher Pareve Passover – Halal

REGULATIONS

Meets the requirements of current Regulation (EU) 2019/1009 of the European Parliament and of the Council on the making available on the market of EU fertilising products

STATEMENTS

This product complies with additional regulatory and quality requirements not listed in this document. Statements are available upon request.

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.

CE

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