



PRODUCT INFO
& DATASHEET

DAP 21.53.0

Horticultural water soluble grade of DIAMMONIUM PHOSPHATE

- Origin: E.U. -

Issued 02/07/2022

1/ PRODUCT DESCRIPTION

Product Function Category (PFC)

Compound solid inorganic macronutrient fertiliser

PFC 1(C)(I)(a)(ii)

General Description

NP fertiliser 21-53

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)

Diammonium phosphate¹ (CAS n°: 7783-28-0) - ¹Virgin material substances and mixtures (CMC 1)

Formula

$(\text{NH}_4)_2\text{HPO}_4$

EC number

231-987-8

Molecular weight

132

Declared nutrients

21 % Total nitrogen (N)

21 % Ammoniacal nitrogen (N)

53 % Total phosphorus pentoxide (P_2O_5)

53 % Phosphorus pentoxide (P_2O_5), water-soluble

53 % Phosphorus pentoxide (P_2O_5), soluble in neutral ammonium citrate

2/ PRODUCT CHARACTERISTICS & CERTIFICATE OF ANALYSIS

Chemical properties	Unit	Typical analysis	Specifications	Methods
N-NH ₄ (ammoniacal)	%	21.0	19.5 - 22.5	ELC 24
Total P ₂ O ₅ (as is)	%	53.7	51.5 - 54.5	ELC 20
P	%	23.4	22.5 - 23.8	ELC 99
pH solution 1%		8.0	7.8 - 8.4	ELC 17
Insoluble matters	%	< 0.03	0.05 Max.	ELC 15
Physical properties				
Bulk density	g/cm ³ lbs/ft ³	0.90 56	- -	ELC 12 Calculation

Theoretical values

Solubility 690 g/L water @ 20°C

3/MAIN APPLICATIONS

- Horticulture
- Water soluble fertiliser for fertigation
- Ingredient of NPK blends
- Provide nutrients for plants

Packaging

PE bags 25 kg net, with a stretched plastic foil

Handling precautions

See MSDS

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SICO FERTILISERS
EVERY TIME THE RIGHT SOLUTION



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4/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.

5/ CERTIFICATIONS

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

6/ 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.

7/ STATEMENTS

GMO free – Allergen free – BSE/TSE free – Mineral origin

8/ STORAGE

Store in a temperate and dry place, keep in the original packaging. Reclose partially used bags.

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