



MONOAMMONIUM PHOSPHATE – MAP Technical Grade

DESCRIPTION

General Description MAP – Ammonium dihydrogen phosphate, ammonium phosphate monobasic, ammonium biphosphate. Primary ammonium phosphate		Date effective – edition January, 2015-01
Grade MAP Crystal, Technical grade	Formula NH ₄ H ₂ PO ₄	Molecular weight 115
EINECS 231-764-5	CAS number 7722-76-1	Combined Nomenclature Code 3105 40 00

PRODUCT CHARACTERISTICS

Chemical properties	Unit	Typical analysis	Specifications	Methods
N ammoniacal	%	12.1	11.8 Min.	ELC 24 – Titrimetry
Total P ₂ O ₅ (as is)	%	61.4	61.1 Min.	ELC 20 Colorimetry
P	%	26.8	26.6 Min.	Calculation
pH 1 % solution		4.5	4.2 – 4.8	ELC 17 – pH meter
Assay (as is)	%	98.8	96.0 – 102.0	Calculation
Insoluble matters	%	< 0.03	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	3.6	10 Max.	ELC 03 - Titrimetry
F	ppm	99	250 Max.	ELC 01 – Direct potentiometry
Sulfates (as SO ₃)	ppm	550	1000 Max.	EICP 01 – ICP*
Physical properties				
Bulk density	kg/m ³	900	-	ELC 12
Solubility in water at 20 °C	g/l water	365	-	-
Form	Crystalline			
Odour	Odourless			
Colour	White			

* ICP: Inductively Coupled Plasma



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STORAGE & SHELF LIFE

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

APPLICATIONS

- Water soluble fertilizers
- 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

MISCELLANEOUS

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Kosher Passover
Pareve

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recall procedure available	Yes	
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QUALITY SYSTEMS		
ISO 9001	Yes	Yes
ISO 14001	Yes	Yes
ISO 22000	Yes	Yes
FSSC 22000	Yes	Yes
GMP+ -feed	Yes	Yes
OHSAS18001	-	Yes
ESAD	Yes	Yes
other	-	AEO