



AKCINĖ BENDROVĖ „LIFOSA”

PRODUCT DATA SHEET

MONOAMMONIUM PHOSPHATE CRYSTALLINE SOLUBLE (MAP)

N:P/12:61

2023 YEAR

Monoammonium Phosphate (MAP) - ($\text{NH}_4\text{H}_2\text{PO}_4$) is a highly concentrated, free flowing, crystalline, fully water soluble Nitrogen-Phosphorus EU fertilising product. Chloride and Sodium free, eco-friendly: no heavy metals, without residual contaminants and hazardous residues.

MAP corresponds to product function category: **PFC 1C(I)(a)(ii): Mineral compound solid macronutrient fertilizer** and CE marking as defined by Regulation (EU) 2019/1009 of the European Parliament and of the Council of 5 June 2019 laying down rules on the making available on the market of EU fertilising products and amending Regulations (EC) No 1069/2009 and (EC) No 1107/2009 and repealing Regulation (EC) No 2003/2003.

Produced by neutralizing of Phosphoric acid with Ammonia.

Fully soluble in water therefore can be easily applied by a sprinkler.

Chemical formula- $\text{NH}_4\text{H}_2\text{PO}_4$; CAS number - 7722-76-1.

Form - crystalline, free flowing; colour – white.

SPECIFICATION

Guaranteed parameters (contractual)		
1.	Total Nitrogen (N), %	12
2.	Ammoniacal Nitrogen (N- HN_4), %	12
3.	Total Phosphorus Pentoxide (P_2O_5), %	61
4.	Phosphorus Pentoxide (P_2O_5), soluble in: - water, % - neutral Ammonium Citrate, %	61 61
5.	Moisture, %, no more than	0.2
6.	Water Insoluble Residue, %, no more than	0.1
		EU limits Actual
7.	Arsenic (As), mg/kg	≤ 40 < 3
8.	Cadmium (Cd), mg/kg P_2O_5 *(low Cadmium, mg/kg P_2O_5)	≤ 60 ($\leq 20^*$) < 1
9.	Lead (Pb), mg/kg	≤ 120 < 1
10.	Mercury (Hg), mg/kg	≤ 1 < 0.1
11.	Chromium (Cr (VI)), mg/kg	≤ 2 < 1
12.	Nickel (Ni), mg/kg	≤ 100 < 5
13.	Biuret ($\text{C}_2\text{H}_5\text{N}_3\text{O}_2$), g/kg (%)	≤ 12 (≤ 1.2) < 0.1 (< 0.01)
14.	Perchlorate (ClO_4^-), mg/kg	≤ 50 < 0.05
15.	Copper (Cu), mg/kg	≤ 600 < 5
16.	Zinc (Zn), mg/kg	≤ 1500 < 5

Juodkiškio g. 50,
LT-57502 Kėdainiai
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Įmonės kodas 161110455
PVM mokėtojo kodas
LT611104515
Juridinių asmenų registras.
VĮ Registrų centras.

AB SEB BANKAS
SWIFT: CBVILT2X
Kodas: 70440
S-ta: LT657044060001801964



Optional parameters (informative only)		
17.	pH (1 % solution)	4 - 5
18.	Bulk density, t/m ³	0.9 -1.0
19.	Water solubility, g/L (at 20 °C)	380
20.	Turbidity (10 %), NTU	< 10
21.	Salt index	60
22.	Electrical conductivity (at 1 g/L water and 25 °C), mS/cm	0.8
23.	Chromium (Cr (total)), mg/kg	< 15
24.	Fluorine (F), %	< 0.01

Permissible tolerance for the declared macronutrient and other declared parameters (Commission delegated regulation (EU) 2021/1768 of 23 June 2021 amending, for the purpose of its adaptation to technical progress, Annexes I, II, III and IV to Regulation (EU) 2019/1009 of the European Parliament and of the Council laying down rules on the making available on the market of EU fertilising products)	
Declared forms of Nitrogen (N) and Phosphorus pentoxide (P ₂ O ₅) (in binary fertilisers)	± 1,5 percentage points in absolute terms
Quantity	± 1 % relative deviation of the declared value

The product is not classified as dangerous cargo.

Packing: 25 kg, 900 kg, 1000 kg in accordance with the conditions of the contract.

Warranty storage period of Monoammonium Phosphate packed in bags or big-bags:

1 year from the date of production for physical parameters;

2 years from the date of production for chemical parameters.

Manufacturer: AB "Lifosa", Juodkiskio str. 50, LT-57502 Kedainiai, Lithuania, tel.: +370 347 66483

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AB "Lifosa" Deputy General Director
Finance Director

18 January, 2023



Regvita Ivanovienė

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