

**CERTIFICATE OF ANALYSIS**

**AMMONIUM NITRATE 98%**

<b>Other names (synonymes):</b>	Ammonium nitrate, fume nitrate
<b>Country of origin:</b>	EU
<b>Package:</b>	1kg, 2kg, 5kg, 25kg
<b>CAS. Nr.:</b>	6484-52-2
<b>EINECS Nr.:</b>	229-347-8

Characteristics	Norm	Result
Description	White or pinkish-yellow prilled granules	Confirms
Total nitrogen (N), % by weight	34,4 ± 2,0	34,46
Nitrate nitrogen content in the form of nitrogen, % by weight	17,2 ± 2,0	17,25
Ammoniacal nitrogen content, % by weight	17,2 ± 2,0	17,21
Water content by weight, by drying, % by weight	≤ 0,3	Confirms
pH value of the solution (10 g dissolved in 100 ml of water)	≥ 4,5	6,30
Organic carbon content, % by weight	≤ 1	0,016
Cadmium (Cd), mg/kg dry matter	≤ 3	< 0,1*
Hexavalent chromium (Cr VI), mg/kg dry weight	≤ 2	< 1*
Mercury (Hg), mg/kg dry matter	≤ 1	< 0,01*
Nickel (Ni), mg/kg dry matter	≤ 100	0,3
Lead (Pb), mg/kg dry matter	≤ 120	< 0,1*
Arsenic (As), mg/kg dry matter	≤ 40	< 0,01*
Biuret (C <sub>2</sub> H <sub>5</sub> N <sub>3</sub> O <sub>2</sub> ), g/kg dry matter	≤ 12	< 0,01*
Perchlorate (ClO <sub>4</sub> <sup>-</sup> ), mg/kg dry matter	≤ 50	< 10 *
Zinc (Zn) content, mg/kg dry matter	≤ 1500	0,4
Copper (Cu) content, mg/kg dry matter	≤ 10	0,1
Chlorine (Cl) content, mg/kg	≤ 200	3
Oil retention after two heat cycles, % w/w	≤ 4	0,78
Resistance to detonation	Stable	Stable
Content of combustible substances measured as carbon (C), % by mass	≤ 0,2	0,016
Content of product passed through a sieve with a mesh size of 1 mm, % by weight	≤ 5	0,3
Content by weight of product passed through a sieve with a mesh size of 0,5 mm	≤ 3	0

<b>Batch number</b>	1/2024
<b>Date of manufacture</b>	
<b>Retest date</b>	

Date of issue: 2024-03-28

In accordance with the original certificate issued by the manufacturer

Address of registration:

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