

**Certificate EETAL-26-00027-1.1**  
**Resistance to detonation and oil retention**

This is to certify that, at request of Messrs. AB ACHEMA, the **Notified Body 2947**, has performed conformity assessment of below-mentioned fertilising product in accordance with Regulation (EU) 2019/1009 Module A1:

|                             |                                  |
|-----------------------------|----------------------------------|
| EU fertilising product name | AMMONIUM NITRATE                 |
| Product category:           | PFC 1(C)(I)(a)(i)(A), CMC 1      |
| Manufacturer                | AB ACHEMA                        |
| Applicant                   | AB ACHEMA                        |
| Batch number                | 11-200                           |
| Sample represents           | 140 000 mt                       |
| Dates of testing            | 09.01-14.01.2026                 |
| Testing site                | Estonia, Maardu, restricted area |

**RESULTS OF TESTING**

According to Sampling Report LTKLP-26-00004, dated 06.01.2026 by INSPECTORATE KLAIPEDA UAB, a representative sample of fertilising product was taken ex stock in warehouse, from the batch No. 11-200. The sample was taken out of the accessible part of cargo batch. Final sample thus obtained is representative of the sampled portion.

**\*Determination of the resistance to detonation:**

The test on the representative sample is performed in conformity with point 4.4 in Module A1 in Part II of Annex IV of Regulation (EU) 2019/1009 fulfilling following conditions:

- Before being tested for resistance to detonation, the whole mass of the representative sample was thermally cycled five times at 25-50°C complying with the provisions of point 4.3 in Module A1 in Part II of Annex IV of Regulation (EU) 2019/1009
- The measures of the tube were: length 1007.0 mm, external diameter 114.2 mm, wall thickness 6.3 mm, Brinell hardness 127 HB.
- The height of each lead cylinder before firing was 100 mm, diameter was 50 mm.
- The booster charge was seven-point simultaneous initiation by plastic explosive.

The results of detonation test are given below:

| Test no. | Sample temperature before firing °C | Packing density kg/m <sup>3</sup> | Lead cylinders  |    |   |   |   |   | Non-fragmented part of the tube Mm |
|----------|-------------------------------------|-----------------------------------|---|----|---|---|---|---|------------------------------------|
|          |                                     |                                   | Degree of crushing expressed in a percentage of the original height |    |   |   |   |   |                                    |
|          |                                     |                                   | 1   | 2  | 3 | 4 | 5 | 6 |                                    |
| 1        | +19                                 | 1031                              | 37  | 19 | 0 | 0 | 0 | 0 | 475                                |
| 2        | +19                                 | 1031                              | 37  | 18 | 0 | 0 | 0 | 0 | 505                                |

**RESULTS OF CONFORMITY ASSESSMENT**

Referring to point 5 under PFC 1(C)(I)(a)(i-ii)(A) in Annex I of Regulation (EU) 2019/1009 the test is deemed conclusive if in both tests one or more of the supporting lead cylinders is crushed by less than 5%.

**Conclusion:** on the basis of test results the tested sample of fertilising product **meets** the requirements and is **resistant to detonation**.

**\*Determination of oil retention:**

The test is performed in conformity with point 4.2 in Module A1 in Part II of Annex IV of Regulation (EU) 2019/1009 after being subjected to two thermal cycles of 25-50°C, complying with the provisions of point 4.1 in Module A1 in Part II of Annex IV of Regulation (EU) 2019/1009.

The average value is **1.69%**

According to point 4 under PFC 1(C)(I)(a)(i-ii)(A) in Annex I of Regulation (EU) 2019/1009 oil retention must not exceed 4% by mass.

**Conclusion:** on the basis of test results the tested sample of fertilising product **meets** the requirements.

*\*Remark: results are based on Test Report EETAL-26-00027 issued by Inspectorate Estonia AS laboratory on 14.01.2026*

*Product check procedure as Notified Body in accordance with Regulation (EU) 2019/1009 – IB-PR-6101*

**Eduard Zinkovski**  
**Technical Assessor**  
**Dated: 14<sup>th</sup> of January 2026**  
**For and on behalf of INSPECTORATE ESTONIA AS**  
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