

Certificate EETAL-26-00732-1.1

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	391-585
Sample represents	130 000 mt
Dates of testing	10.07-15.07.2026
Testing site	Estonia, Ida-Virumaa, restricted area

RESULTS OF TESTING

According to Sampling Report LTKLP-26-00231, dated 07.07.2026 by INSPECTORATE KLAIPEDA UAB, a representative sample of fertilising product was taken ex stock in warehouse, from the batch No. 391-585. 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 ³	Lead cylinders Degree of crushing expressed in a percentage of the original height						Non-fragmented part of the tube Mm
			1	2	3	4	5	6	
1	+19	1017	39	24	1	0	0	0	441
2	+19	1017	37	21	1	0	0	0	445

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 **2.11%**

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-26-00732 issued by Inspectorate Estonia AS laboratory on 15.07.2026.*

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

Eduard Zinkovski

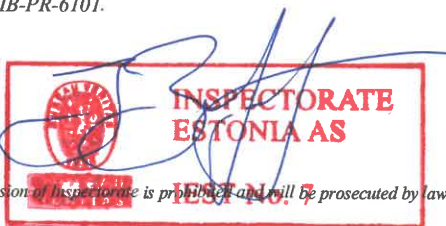
Technical Assessor

Dated: 15th of July 2026

For and on behalf of INSPECTORATE ESTONIA AS

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