

Inspectorate Estonia AS
 5 Randvere tee, Viimsi vald,
 74001 Tallinn, Estonia
 Tel +372 6 055 979
 Fax +372 6 055 974
 estonia@inspectorate.ee
 www.inspectorate.com

ORIGINAL



Certificate of Conformity to E.C. Fertilizer Criteria E09673

This is to certify that, at request of Messrs. AZOMURES S.A., the laboratory of Inspectorate Estonia AS, an approved ISO 17025:2006 laboratory within European Union, performed determination of conformity of the below-mentioned sampled commodity to European Community fertilizer criteria:

Description of commodity	AMMONIUM NITRATE
Manufacturer	AZOMURES S.A., TARGU MURES 54023, ROMANIA
Assignor	AZOMURES S.A., TARGU MURES 54023, ROMANIA
Sample represents	~100 mt
Dates of testing	06.12.2010 – 09.12.2010
Testing location	Inspectorate Estonia AS lab, Tallinn, Estonia

RESULTS OF EVALUATION

According to Sampling Report No. F0739/10 dated 02.12.2010 by Inspect Balkan s.r.l Romania, a representative sample was taken from fertilizer batch of approximately 100 mt of prilled ammonium nitrate. The product is free-flowing, white to yellow colored granules. The sample was taken in accordance with requirements of Annex IV of Regulation (EC) no. 2003/2003 of the European Parliament and the Council. Final sample thus obtained is representative of the sampled portion. The sample was subjected to laboratory analyses with purpose to determine whether the sampled commodity conforms to E.C. fertilizer criteria as referred in Annex III of Regulation (EC) no. 2003/2003.

As per Annex III of Regulation (EC) no. 2003/2003 the sample of ammonium nitrate (straight ammonium nitrate fertilizer of high nitrogen content) must conform to E.C. fertilizer criteria listed in table below. The column "Actual analyses result as received" reflects the results received from laboratory analyses on the sample of commodity:

Characteristic	Limit/criteria	Actual analyses result as received*	Method
Detonation Resistance	Non-detonating	Non-detonating	Annex III. 2 of Regulation (EC) no. 2003/2003
Porosity (oil retention)	max 4 %/mass	1.08 %/mass	Method 2 of Annex III.3 of Regulation (EC) no. 2003/2003
Combustible ingredients expressed as Carbon (C)			Method 3 of Annex III of Regulation (EC) no. 2003/2003
AN with Nitrogen content > 31.5 %/mass	max 0.2%/mass	0.132%/mass	
AN with Nitrogen content ≥ 28 < 31.5 %/mass	Not applicable	Not applicable	
pH value	min 4.5	4.5 at 20 °C	Method 4 of Annex III of Regulation (EC) no. 2003/2003
Granulometry			Method 5 of Annex III of Regulation (EC) no. 2003/2003
< 1 mm	max 5 %/mass	0.75 %/mass	
< 0.5 mm	max 3 %/mass	0.35 %/mass	
Chlorine	max 0.02 %/mass	0.01 %/mass	Method 6 of Annex III of Regulation (EC) no. 2003/2003
Cu (copper)	max 10 mg/kg	0.10 mg/kg	Method 7 of Annex III of Regulation (EC) no. 2003/2003

* The actual analyses results are based on mean values after double testing for each of the criteria and are valid only for the a/m sample at the time of analyses performance.

Referring to technical provisions for ammonium nitrate fertilizers of high nitrogen content in Annex III of Regulation (EC) no. 2003/2003 the fertilizer is deemed to conform to E.C. fertilizer criteria if its characteristics meet the limits described in Annex III of Regulation (EC) no. 2003/2003.

Conclusion: on the basis of laboratory analyses' results the fertiliser conforms to E.C. fertilizer criteria.

Roman Molchanov
 Dated: 09th of December 2010
 For and on behalf of INSPECTORATE ESTONIA AS

Registered in Estonia no. 10195542
 ISO 17025:2000 accredited: Certificate L029
 EVS-EN 45011 accredited: Certificate PC014



ID nr. 0484/10

Inspectorate Estonia AS
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INSPECTORATE

Certificate of Evaluation E09673

Resistance to detonation and oil retention

This is to certify that, at request of Messrs. AZOMURES S.A., the laboratory of Inspectorate Estonia AS, an approved ISO 17025:2006 laboratory within European Union, performed determination of oil retention and detonation resistance on the sample of below-mentioned commodity:

Description of commodity	PRILLED AMMONIUM NITRATE
Manufacturer	AZOMURES S.A., TARGU MURES 54023, ROMANIA
Assignor	AZOMURES S.A., TARGU MURES 54023, ROMANIA
Sample represents	~100 mt
Dates of testing	06.12.2010 – 09.12.2010
Testing site	Estonia, Maardu, restricted area

RESULTS OF EVALUATION

According to Sampling Report No. F0739/10 dated 02.12.2010 by Inspect Balkan s.r.l Romania, a representative sample was taken from fertilizer batch of approximately 100 mt of prilled ammonium nitrate. The product is free-flowing, white to yellow colored granules. The sample was taken in accordance with requirements of Annex IV of Regulation (EC) no. 2003/2003 of the European Parliament and the Council. 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 Annex III.4 of Regulation (EC) no. 2003/2003 of the European Parliament and the Council and UK Statutory Instrument 2003 no. 1082 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 Annex III - section 3, part 3 of Regulation (EC) no. 2003/2003.
- The measures of the tube were: length 1007.0 mm, external diameter 114.0 mm, wall thickness 6.1 mm, Brinell hardness 148 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.	Temperature before firing °C	Packing density kg/m ³	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	+16	982	48	30	19	5	1	0	512
2	+16	982	46	29	17	5	1	0	515

Referring to Annex III. 2 of Regulation (EC) no. 2003/2003 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 fertiliser **meets** the requirements.

Determination of oil retention:

The test is performed in conformity with Method 2 of Annex III.3 of Regulation (EC) no. 2003/2003 after being subjected to two thermal cycles of 25-50°C, complying with the provisions of Annex III - section 3, part 2 of Regulation (EC) no. 2003/2003.

The average value is **1.08%**.

According to Annex III.1 point 1.1 oil retention must not exceed 4% by mass.

Conclusion: on the basis of test results the fertiliser **meets** the requirements.

ID nr 0484/10

Roman Molchanov

Dated: 09th of December 2010

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ORIGINAL



Certificat d'Evaluation No. E09673

Résistance à la détonation et à la rétention d'huile

A la demande de notre client AZOMURES S.A., le laboratoire Inspectorate Estonia AS, un laboratoire agréé ISO 17025:2006 au sein de l'Union Européenne, a procédé à la détermination de la résistance à la détonation et à la rétention d'huile sur un échantillon de la marchandise ci-dessous:

Description de la marchandise	PRILLED AMMONIUM NITRATE
Producteur	AZOMURES S.A., TARGU MURES 54023, ROMANIA
Client	AZOMURES S.A., TARGU MURES 54023, ROMANIA
Quantité représentée	~100 mt
Dates de tests	06.12.2010 – 09.12.2010
Site de tests	Estonia, Maardu

RESULTATS DE L'EVALUATION

Conformément au rapport d'échantillonnage No. F0739/10 daté du 02.12.2010 par Inspect Balkan s.r.l Romania, l'échantillon représentatif a été pris à partir ~100 mt d'Ammonitrate. Libre coulant, jaune grains de couleur. L'échantillon a été prélevé selon l'annexe IV de la réglementation (EC) No. 2003/2003 du parlement Européen et du Conseil. L'échantillon final obtenu est représentatif des échantillons prélevés.

Détermination de la résistance à la détonation:

La détermination de la détonabilité de l'échantillon a été effectuée dans les conditions prévues par l'annexe III.4 du Règlement (CE) No. 2003/2003 ainsi que du Conseil et UK Statutory Instrument 2003 numéro 1082 satisfaisant les critères suivants:

- Avant d'effectuer le test de résistance à la détonation, la masse totale de l'échantillon représentatif a subi un vieillissement comportant 5 cycles thermiques de 25 à 50°C en conformité avec l'Annexe III section 3 partie 3 de la Régulation EC No. 2003/2003.
- Le tube d'acier a une longueur de 1007.0 mm, un diamètre extérieur de 114.0 mm, une épaisseur de 6.1 mm, et une dureté Brinell de 148 HB.
- La hauteur de chaque cylindre d'acier avant exposition au feu est de 100 mm, avec un diamètre de 50 mm.
- La charge d'amorçage comporte sept points de mise à feu simultanément par plastique explosif.

Les résultats de ces tirs sont donnés dans le tableau suivant:

Test no.	Température avant mise à feu °C	Densité de l'emballage kg/m ³	Cylindres de Plomb						Parties du tube non fragmentées mm
			Degré de dommage exprimé en pourcentage de la hauteur initiale						
			1	2	3	4	5	6	
1	+16	982	48	30	19	5	1	0	512
2	+16	982	46	29	17	5	1	0	515

Selon l'Annexe III 2 du Règlement (CE) No. 2003/2003 l'essai est considéré concluant si l'écrasement d'un ou de plusieurs cylindres de support en plomb est inférieur à 5% lors de chaque essai.

Conclusion : sur la base des résultats obtenus, la marchandise ci-dessus mentionnée atteint ces critères.

Détermination de la rétention d'huile:

Le test est effectué en conformité avec la méthode 2 de l'Annexe III 3 du Règlement (CE) No. 2003/2003 après avoir subi un vieillissement comportant 2 cycles thermiques de 25 à 50°C.

La valeur moyenne obtenue est de **1.08%**.

Selon l'Annexe III 1 point 1.1, une rétention d'huile ne doit pas excéder 4% de la masse.

Conclusion : sur la base des résultats obtenus, la marchandise ci-dessus mentionnée atteint ces critères.

Roman Molchanov
09.12.2010
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