

Report 577/2025
OEKO-TEX® certification report

Applicant

Reference

AG FOIL EUROPE, s.r.o.,
Veselé 426,
922 08 Veselé
Slovak Republic

Application

Authorization to use the mark „Tested for harmful substances according to OEKO-TEX® STANDARD 100, Appendix 4 product class I.

Test Material

Thermal Transfer Ribbon (AGT85) in colour black for printing labels.

Material used in testing was anonymized for laboratory purposes. A detailed sample list is contained in the report.

Issuing and Signatures

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1 Order

1.1 Chronology

<i>Date</i>	<i>Received</i>	<i>Order</i>
2025-02-21	2025-02-28	Authorization to use the mark „Tested for harmful substances according to OEKO-TEX® STANDARD 100, Appendix 4, product class I.

1.2 Application for certification

An application with the appropriate OEKO-TEX® application forms was submitted for the article group:

Thermal Transfer Ribbon (AGT85) in colour black for printing labels.

The application is for prolongation **4th** of license number **VUTCH-40**.
A signed declaration of conformity was submitted.



2 Technical evaluation and tests performed

2.1 Certified base material

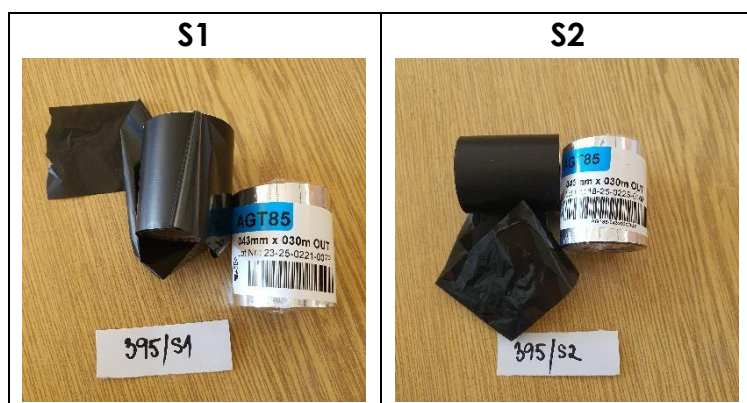
For the production of the certified article group the following certified materials are used:

None.

2.2 Samples

Sample	Description
S1	Thermal Transfer Ribbon (AGT85) 043 mm x 030 m OUT, colour: black for printing labels, Lot Nr.:23-25-0221-007P
S2	Thermal Transfer Ribbon (AGT85) 043 mm x 030 m OUT, colour: black for printing labels, Lot Nr.:18-25-0225-016P

2.2.1 Photos



2.3 Tests

As required in the to OEKO-TEX® STANDARD 100, Appendix 4, p.c. I, the test program is decided by the institute based on the article group, the requested product class and on the technical information given in the application form.

Required tests are carried out according to **OEKO-TEX® STANDARD 100, Appendix 4, p.c. I** and the testing procedure laid down in OEKO-TEX® Standard 201.



Sample S1		
	limit value	determined value
Formaldehyde [mg/kg]		
	n.d.	n.d.
Plasticizer/ Phthalates [mg/kg]		
Sum	500	< 100
Other chemical residues [mg/kg]		
Quinoline	50	< 10
Polycyclic aromatic hydrocarbons (PAHs) [mg/kg]		
Benzo[a]pyrene	0,5	< 0,200
Benzo[e]pyrene	0,5	< 0,200
Benzo[a]anthracene	0,5	< 0,200
Chrysene	0,5	< 0,200
Benzo[b]fluoranthene	0,5	< 0,200
Benzo[j]fluoranthene	0,5	< 0,200
Benzo[k]fluoranthene	0,5	< 0,200
Dibenzo[a,h]anthracene	0,5	< 0,200
Sum	5,0	< 0,200
Solvent residues [mg/kg]		
DMAc	500	< 200
DMF	500	< 200
Formamide	200	< 200
NEP	1000	< 200
NMP	500	< 200
Surfactant, wetting agent residues, alkyl phenols [mg/kg]		
BP, OP, NP, HpP, PeP, sum	10,0	< 3,0
BP, OP, NP, HpP, PeP, OP(EO), NP(EO), sum	100,0	< 10,0
Siloxanes [mg/kg]		
Octamethylcyclotetrasiloxane (D4)	1000	< 30
Decamethylcyclopentasiloxane (D5)	1000	< 30
Dodecamethylcyclohexasiloxane (D6)	1000	< 30
Tris(2-methoxyethoxy)vinylsilane [mg/kg]	1000	< 100
Other VOCs and glycols [mg/kg]		
Acetophenone	10,0	< 1,00
Benzene	1,0	< 1,00
Bis(2-methoxyethyl)eter	10,0	< 1,00
Cyclohexanone	10,0	< 1,00



1,2-Diethoxyethane	10,0	< 1,00
1,4-Dioxane	10,0	< 1,00
2-Ethoxyethanol	10,0	< 1,00
2-Ethoxyethylacetate	10,0	< 1,00
Ethylbenzene	10,0	< 1,00
Ethylene glycol dimethyl ether	10,0	< 1,00
Methylethylketone	10,0	8,72
2-Methoxy-1-propanol	10,0	< 1,00
2-Methoxyethanol	10,0	< 1,00
2-Methoxyethylacetate	10,0	< 1,00
2-Methoxypropylacetate	10,0	< 1,00
2-Phenyl-2-propanol	10,0	< 1,00
Styrene	10,0	< 1,00
Toluene	10,0	6,62
1,2,3-Trichloropropane	10,0	< 1,00
Triethylene glycol dimethyl ether	10,0	< 1,00
Xylene	10,0	< 1,00
Cresols [mg/kg]		
o-Cresol	10,0	< 1,00
m-Cresol	10,0	< 1,00
p-Cresol	10,0	< 1,00
Chlorinated solvents [mg/kg]		
Dichlormethane	1,0	< 0,50
Chloroform (Trichlormethane)	1,0	< 0,50
Tetrachlormethane	1,0	< 0,50
1,1-Dichloroethane	1,0	< 0,50
1,2-Dichloroethane	1,0	< 0,50
1,1,1-Trichloroethane	1,0	< 0,50
1,1,2-Trichloroethane	1,0	< 0,50
1,1,1,2-Tetrachloroethane	1,0	< 0,50
1,1,2,2- Tetrachloroethane	1,0	< 0,50
Pentachloroethane	1,0	< 0,50
1,1-Dichloroethylene	1,0	< 0,50
1,2-Dichloroethylene	1,0	< 0,50
Trichloroethylene	1,0	< 0,50
Tetra(per)chloroethylene	1,0	< 0,50
Sum of the chlorinated solvents	5,0	< 5,00



Sample S2		
	limit value	determined value
Extractable (heavy) metals [mg/kg]		
Arsenic (As)	0,2	< 0,1
Barium (Ba)	1000	< 40
Cadmium (Cd)	0,1	< 0,02
Cobalt (Co)	1,0	< 0,3
Chromium (Cr)	1,0	< 0,2
Copper (Cu)	25,0	< 0,3
Mercury (Hg)	0,02	< 0,01
Nikel (Ni)	1,0	< 0,3
Lead (Pb)	0,2	< 0,1
Antimony (Sb)	30,0	< 0,1
Selenium (Se)	100	< 25
Heavy metals total content [mg/kg]		
Arsenic (As)	100	< 2,5
Cadmium (Cd)	40,0	< 1,0
Mercury (Hg)	0,5	< 0,25
Lead (Pb)	90,0	< 2,5
Bisphenols [mg/kg]		
Bisphenol A	10	< 5
Bisphenol B	1000	< 10
Bisphenol AF	1000	< 10
Bisphenol F	1000	< 10
Bisphenol S	1000	< 10
6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol	1000	< 50
Other chemical residues [mg/kg]		
N-(hydroxymethyl)acrylamide	1000	< 100
Colourants [mg/kg]		
Carcinogens	50	< 10
Michler's Ketone/Base	1000	< 10
Allergens	50	< 10
Others	50	< 10
Chlorinated benzenes and toluenes [mg/kg]		
Sum	1,0	< 0,50

No further tests have been necessary.



3 Conclusion

The test results and the documents provided show that the requested article group can be certified according to **OEKO-TEX® STANDARD 100, Appendix 4, product class I**. This test report does not replace the certificate.

According to OEKO-TEX® regulations the authorization will be valid till **2026-04-30**.

The use of the label is only permitted based on a valid certificate and according to the regulations in the STANDARD 100 by OEKO-TEX®. Particularly the use of the label is only permitted during the certification period for articles in the certified article group compliant with the limiting values. The label must bear the license number and control name of the institute given on the certificate. Furthermore, the use of the Oeko-Tex® mark is only allowed after full settlement of invoices for testing fees and certification costs.

4 Remarks

Sample Material

Results of performed tests only refer to the sample material provided.

Without explicit written other agreement testing is destructive and the sample material is transferred to the property of VUTCH, which is entitled to freely decide on storage and disposal.

Quality management and accreditations

All tests and services are performed under a quality management system according to EN ISO 17025.

VUTCH is accredited by several organizations for various tests offered. It is also Notified Body for several directives with the registration number 3020 (see [EUROPA – European Commission – Growth – Regulatory policy - SMCS](#)).

Details and other accreditations are given on request and can be found on www.vutch.sk.

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End of report