



Report 513/2024

Test 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

Number of pages contained: 6
Original issue / Žilina 2024-04-30

Pavol Kopečný, MBA



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1 Order

1.1 Chronology

<i>Date</i>	<i>Received</i>	<i>Order</i>
2024-02-27	2024-03-12	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 **3** of licence number **VUTCH-40**.
A signed declaration of conformity was submitted.

2 Technical evaluation and tests performed

2.1 Certified base material

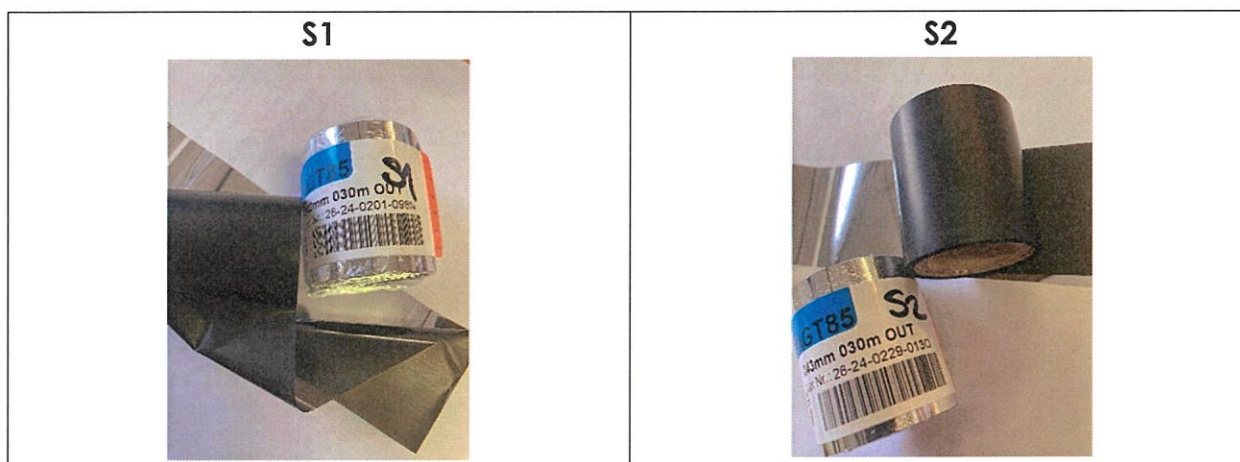
No certified base material.



2.2 Samples

Sample	Description
S1	Thermal Transfer Ribbon (AGT85) 043 mm x 030 m OUT, colour: black for printing labels, Lot Nr.:26-24-0201-098N
S2	Thermal Transfer Ribbon (AGT85) 043 mm x 030 m OUT, colour: black for printing labels, Lot Nr.:26-24-0229-0130

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
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	< 0,30
Chromium (Cr)	1,0	< 0,20
Copper (Cu)	25,0	< 0,30
Mecury (Hg)	0,02	< 0,01



Nikel (Ni)	1,0	< 0,30
Lead (Pb)	0,2	< 0,10
Antimony (Sb)	30,0	< 1,0
Selenium (Se)	100	< 25
Plasticizer/ Phthalates [mg/kg]		
Sum	500	< 100
Other chemical residues [mg/kg]		
TCEP	10	< 100
Polycyclic aromatic hydrocarbons (PAHs) [mg/kg]		
Benzo[a]pyrene	0,5	< 0,5
Benzo[e]pyrene	0,5	< 0,5
Benzo[a]anthracene	0,5	< 0,5
Chrysene	0,5	< 0,5
Benzo[b]fluoranthene	0,5	< 0,5
Benzo[j]fluoranthene	0,5	< 0,5
Benzo[k]fluoranthene	0,5	< 0,5
Dibenzo[a,h]anthracene	0,5	< 0,5
Naphthalene	2,0	< 0,5
Sum	5,0	< 1,0
Solvent residues [mg/kg]		
NMP	500	< 200
DMAc	500	< 200
DMF	500	< 200
Formamide	200	< 200
Siloxanes [mg/kg]		
Octamethylcyclotetrasiloxane (D4)	1000	< 100
Decamethylcyclopentasiloxane (D5)	1000	< 100
Dodecamethylcyclohexasiloxane (D6)	1000	< 100

Sample S2		
	limit value	determined value
Formaldehyde [mg/kg]		
Free and partially releasable	n.d.	n.d.
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
Chlorinated phenols [mg/kg]		
Pentachlorophenol	0,05	< 0,05
Tetrachlorophenols	0,05	< 0,05



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Trichlorophenols	0,2	< 0,10
Dichlorophenols	0,5	< 0,05
Monochlorophenols	0,5	< 0,10
Other chemical residues [mg/kg]		
Phenol	20	< 10
OPP	10	< 1,00
Bisphenol A	100	< 10
Bisphenol S	1000	< 10
Bisphenol B	1000	< 10
6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol	1000	< 10
N-(hydroxymethyl)acrylamide	1000	< 100
Colourants [mg/kg]		
Free and cleavable carcinogenic arylamines except aniline	20	n.d.
Aniline	20	n.d.

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 authorisation will be valid till **2025-04-30**.

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 has to bear the licence 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 organisations 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