



Report 331/2019  
*Test Report*

**Applicant**

**Reference**

AG FOIL EUROPE, s.r.o.  
Družstevná ulica 549/7  
922 10 Trebatice  
Slovak Republic

**Application**

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

**Test Material**

„Polyester satin woven tapes (STT23, STT26, STT27, STT28WD, STT29) in colour white; Nylon taffeta woven fabrics (NTT23) in colour white with PA coating; Modified PES/PA taffeta (PTT25, NTT27) in white; PES taffeta fabrics (PTT25N) in black; all for printed labels; 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>
2019-04-04	2019-04-05	Authorization to use the mark „Tested for harmful substances according <b>OEKO-TEX® Standard 100 Appendix 4“ product class I.</b>

### 1.2 Application for certification

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

**Polyester satin woven tapes (STT23, STT26, STT27, STT28WD, STT29) in colour white; Nylon taffeta woven fabrics (NTT23) in colour white with PA coating; Modified PES/PA taffeta (PTT25, NTT27) in white; PES taffeta fabrics (PTT25N) in black; all for printed labels; Thermal Transfer Ribbon (AGT85) in colour black for printing labels; partly certified materials according OEKO-TEX® Standard 100.**

The application is for prolongation **8** of licence number **VUTCH-21**.

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.

<b>1</b>	<i>Certificate</i>	SHLO 056762	<i>Institute</i>	TESTEX Zurich
<i>Articles</i>	<i>Company</i>	Zhejiang King Label Technology Co., Ltd., Zhejiang, China		
Woven fabrics or tapes made of 100% recycled PES yarn or 100% PES yarn, white or dyed (in a limited range of 10 disperse dyestuffs) (incl. beige imitation cotton tape C401); PA taffeta woven fabrics (NT637BT, NT639BT, NT668AT, NT612, NT637T) in colour white with PA coating; modified PES/PA taffeta fabrics (DP681T, DP691T, DP662AT, DP685T, DP661T, DP665T) in colour white with PA coating; PES taffeta fabrics or tapes (PT701T, PT703T, PT706T, PT704A1, PT602BT) in colour white or black with PU coating or PAN coating; all for printed label; p.c. I, Appendix 6				
<b>2</b>	<i>Certificate</i>	SHAO 067496	<i>Institute</i>	TESTEX Zurich
<i>Articles</i>	<i>Company</i>	Huzhou Siny Label Material Co., Ltd., Zhejiang, China		
Finished PES satin fabrics with/without PU coating or synthetic resin coating in white, beige, off-white, pink and black colours Finished recycled PES satin fabrics or tapes in off-white, white and black colour; Finished PES taffeta fabrics with PU coating or synthetic resin coating in white, earth yellow, pearl and black colour Finished PA/PES blended or PA taffeta fabrics or recycled taffeta fabrics with PA coating in white and pearl colour; all for printed labels; p.c. I, Appendix 6				

### 2.2 Samples

Samples	Identification
S1	Thermal Transfer Ribbon (AGT85) in colour black for printing labels, Lot Nr.: 17-19-0325-095C
S2	Thermal Transfer Ribbon (AGT85) in colour black for printing labels, Lot Nr.: 17-19-0325-001D



As required in the OEKO-TEX® Standard 100 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 and the testing procedure laid down in OEKO-TEX® Standard 200.

<i>Sample S1</i>		
	limit value	determined value
pH value	4,0 – 7,5	5,2
Antimony (Sb) (mg.kg <sup>-1</sup> )	< 30,0	1,34
Arsenic (As) (mg.kg <sup>-1</sup> )	< 0,2	< 0,10
Lead (Pb) (mg.kg <sup>-1</sup> )	< 0,2	< 0,10
Cadmium (Cd) (mg.kg <sup>-1</sup> )	< 0,1	< 0,05
Chromium (Cr) (mg.kg <sup>-1</sup> )	< 1,0	< 0,20
Cobalt (Co) (mg.kg <sup>-1</sup> )	< 1,0	< 0,50
Copper (Cu) (mg.kg <sup>-1</sup> )	< 25,0	< 0,20
Nickel (Ni) (mg.kg <sup>-1</sup> )	< 1,0	< 0,50
Mercury (Hg) (mg.kg <sup>-1</sup> )	< 0,02	< 0,01
Barium (Ba) (mg.kg <sup>-1</sup> )	< 1000	< 35,0
Selenium (Se) (mg.kg <sup>-1</sup> )	< 100	< 1,0
Lead in digested (mg.kg <sup>-1</sup> )	< 90,0	< 5,0
Cadmium in digested (mg.kg <sup>-1</sup> )	< 40,0	< 2,0
Pentachlorophenol (mg.kg <sup>-1</sup> )	< 0,05	< 0,02
Tetrachlorophenol (mg.kg <sup>-1</sup> )	< 0,05	< 0,02
Trichlorophenols (mg.kg <sup>-1</sup> )	< 0,2	< 0,05
Dichlorophenols (mg.kg <sup>-1</sup> )	< 0,5	< 0,02
Monochlorophenols (mg.kg <sup>-1</sup> )	< 0,5	< 0,02
Orthophenylphenol (mg.kg <sup>-1</sup> )	< 10,0	< 0,02
Phenol (mg.kg <sup>-1</sup> )	< 20,0	0,43
Cancerogenic arylamines (mg.kg <sup>-1</sup> )	< 20	n.d.
Aniline (mg.kg <sup>-1</sup> )	< 20	n.d.
Chlorinated carriers benzenes and toluenes (mg.kg <sup>-1</sup> )	< 1,0	< 0,5
Polycyclic aromatic hydrocarbons (PAH) (mg.kg <sup>-1</sup> ) sum	< 5,0	< 1,0
Determination of odours	no abnormal odour	no abnormal odour

<i>Sample S1</i>		
	limit value	determined value
Formaldehyde (mg.kg <sup>-1</sup> )	n.d.	n.d.
Antimony (Sb) (mg.kg <sup>-1</sup> )	< 30,0	1,34





Arsenic (As) (mg.kg <sup>-1</sup> )	< 0,2	< 0,10
Lead (Pb) (mg.kg <sup>-1</sup> )	< 0,2	< 0,10
Cadmium (Cd) (mg.kg <sup>-1</sup> )	< 0,1	< 0,05
Chromium (Cr) (mg.kg <sup>-1</sup> )	< 1,0	< 0,20
Cobalt (Co) (mg.kg <sup>-1</sup> )	< 1,0	< 0,50
Copper (Cu) (mg.kg <sup>-1</sup> )	< 25,0	< 0,20
Nickel (Ni) (mg.kg <sup>-1</sup> )	< 1,0	< 0,50
Mercury (Hg) (mg.kg <sup>-1</sup> )	< 0,02	< 0,01
Barium (Ba) (mg.kg <sup>-1</sup> )	< 1000	< 35,0
Selenium (Se) (mg.kg <sup>-1</sup> )	< 100	< 1,0
Lead in digested (mg.kg <sup>-1</sup> )	< 90,0	< 5,0
Cadmium in digested (mg.kg <sup>-1</sup> )	< 40,0	< 2,0
Determination of odours	no abnormal odour	no abnormal odour

No further tests have been necessary.



The following test results do not fulfil the limit values:  
None

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

According to OEKO-TEX® regulations the authorisation will be valid till **2020-04-30**.

The use of the label is only permitted based on a valid certificate and according to the regulations in the OEKO-TEX® Standard 100. 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-CHEMITEK, 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-CHEMITEK is accredited by several organisations for various tests offered. It is also Notified Body for several directives with the registration number 1296 (see <http://ec.europa.eu/enterprise/newapproach/nando/>).

Details and other accreditations are given on request and can be found on [www.vutch.sk](http://www.vutch.sk).

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