

Accreditation scopeName of the accredited subject: **Yanfeng International Automotive Technology Slovakia, s.r.o**

Twin City C, Mlynské nivy 14, 821 09 Bratislava

Odštepňý závod Trenčín**Skúšobné laboratórium**

Bratislavská 517, 911 05 Trenčín

Fixed accreditation scope of testing laboratory.

Item	Object		Established method		Other specifications (scope, uncertainty, purpose, modification/validation, opinions/interpretations, etc.)
	Subject /Matrix /Environment	Property /Parameter /Pointer /Analyte	Principle / Type	Label	
1	Instrument panel, Door panel, Floor console (plastic, foam, leather, textile)	unoccupied			
2		Color change	Photometry/Visual evaluation	DIN EN ISO 11664-3, -4, DIN 53236 ISO 7724 ISO 105-A02	
3		unoccupied			
4		unoccupied			
5		Gloss	Reflectance	DIN EN ISO 2813 ASTM D523 ASTM C584 ASTM D2457 EN ISO 7668	
6		Adhesion	Visual evaluation	DIN EN ISO 2409 TN-SM-ST-G11-21-E	VCS 1029, 54729
7		Softening temperature of the material	Temperature measurement	DIN EN ISO 306 DIN EN ISO 75- 1 (TN-SM-ST-G11-11-E)	
8		Odour	Sensory test	TN-SM-ST- G11-10-E	VDA 270 BO 131-03 GMW 3205 VCS 1027, 2729 PV 3900
9		unoccupied			
10	Instrument panel, Door panel, Floor console (plastic, foam, leather, textile)	Density	Weight measurement	DIN EN ISO 1183-1 Method A (TN-SM-ST-G11-14-E)	
11		Ash	Weight measurement	DIN EN ISO 3451-1 (Metóda A) DIN EN ISO 1172 (Metóda A) (TN-SM-ST-G11-15-E)	
12		Length/ thickness	Measurement of dimensions	DIN EN ISO 2286-3	
13		Deformation form	Measurement of dimensions/ Photogrametry	TN-SM-ST-G11-30-E	
14		unoccupied			
15		unoccupied			
16		Strength (Dynstat)	Impact test	DIN 53435 (TN-SM-ST- G11-06-E)	

Annex to the Decision No. 602/10689/2023/1 and to the Certificate of Accreditation No. S-399 dated 06.04.2023

*The Annex is an integral part of the
Certificate of Accreditation*

Item	Object		Established method		Other specifications (scope, uncertainty, purpose, modification/validation, opinions/interpretations, etc.)
	Subject /Matrix /Environment	Property /Parameter /Pointer /Analyte	Principle / Type	Label	
17	Instrument panel, Door panel, Floor console (plastic, foam, leather, textile)	Strength (Izod)	Impact test	DIN EN ISO 180 (TN-SM-ST-G11 -05-E)	
18		Strength (Charpy)	Impact test	DIN EN ISO 179-1 (TN-SM-ST- G11-05-E)	
19		Strength, elongation, bending	Force and length measurement	DIN EN ISO 527-1 DIN EN ISO 527-2 DIN EN ISO 527-3 DIN EN ISO 527-4 DIN ISO 34-1 DIN ISO 178 ISO 28510-1 DIN EN 1372 DIN EN 310 DIN EN ISO 13934-1 DIN EN ISO 13937-2 DIN EN 29073 DIN 53504 ISO 6892-1 (TN-SM-ST- G11-12-E)	
20		Fogging	Reflectometric measurement of gloss	DIN 75201 (TN-SM-ST- G11-20-E)	SAE J1756 GMW 3235 VCS 1027, 2719
21		Fogging	Weight measurement	DIN 75201 ISO 6452 (TN-SM-ST- G11-16-E)	SAE J1756 GMW 3235 VCS 1027, 2719 PV 3015
22		unoccupied			
23		Peel Test	Force measurement	DIN EN 1372 (TN-SM-ST-G11-31-E)	MBN 55555-6, PV 2034, PR 326.6,
24		Foam Adhesion	Visual Evaluation	(TN-SM-ST-G11-34-E)	MBN 55555-6 TL 52296 PR 326.6 GS 97012 PR 524
25		Ball drop test	Visual Evaluation	TN-SM-ST-G11-36-E	PV 3905 TREG-33579402-01-2 MBN 55555-6

Flexible accreditation scope of texting laboratory.

Item	Object		Established method		Other specifications (scope, uncertainty, purpose, modification/validation, opinions/interpretations, etc.)
	Subject /Matrix /Environment	Property /Parameter /Pointer /Analyte	Principle / Type	Label	
1	Instrument panel, Door panel, Floor console (plastic, foam, leather, textile)	Resistance to temperature and radiation	Visual evaluation	DIN 75220 (TN-SM-ST-G11-09-E)	VDA 230-219 A 001 006 00 99 Range: -40°C to +130 °C 10% to 98 % R.H. -3°C to +94°C Do 1200 W/m ²
2		Resistance to climatic conditions	Visual evaluation	DIN EN 60068-2-1 DIN EN 60068-2-2 DIN EN 60068-2-14 DIN EN 60068-2-30 D47 1309 (TN-SM-ST-G11-26-E)	PR 308.2 PR 303.5 PV 1200 PV 2005 TREG33579402 MBN 55555-4 A 005 005 44 99 QEV111AHFE1W QEV111AHFE1Z QEV111AHFM22 QEV111AHE1W4 QEV111AF2AAH -40°C to +150 °C 10% to 98 % R.H. -3°C to +94°C
3		Abrasion resistance	Visual evaluation Photometry	DIN EN ISO 105-X 12 (TN-SM-ST-G11-17-E)	MBN 55555-6, MBN 55555-7 PV 3906 VCS 1026, 84329
4		Abrasion and scratch resistance	Visual evaluation	DIN EN 60068-2-70 (TN-SM-ST-G11-24-E)	GS 97034-1/2/3/4A-/5-A/6-C DBL 7384 DBL 9202
5	Instrument panel	Airbag deployment	Visual evaluation Measure weight and time	(TN-SM-ST-G11-39-E)	A 002 005 04 99 FUVO_RD_KIC_04 QEV111AF2AAH QEV111AHFM22
6	Instrument panel, Door panel, Floor console (plastic, foam, leather, textile)	Flammability	Measure length and time	DIN 75200 ISO 3795 (TN-SM-ST- G11-04-E)	FMVSS 302 GS 97038 DBL 5307 GMW 3232 VCS 5031,19 TL 1010 D45 1333
7		Abrasion resistance	Visual evaluation	ISO 9352 ISO 5470-1 TN-SM-ST-G11-07-E	SAE J948 BN 108-02 GMW 3208
8		Scratch resistance	Color/Gloss change measurement	TN-SM-ST-G11-18-E	GS 97034-8 GS 97034-9 MBN 55555-6 GMW 14688 PV 3952
9			Visual evaluation	TN-SM-ST-G11-25-E	TL226 VCS 1024 31139 ISO 1518

Annex to the Decision No. 602/10689/2023/1 and to the Certificate of Accreditation No. S-399 dated 06.04.2023

*The Annex is an integral part of the
Certificate of Accreditation*

Item	Object		Established method		Other specifications (scope, uncertainty, purpose, modification/validation, opinions/interpretations, etc.)
	Subject /Matrix /Environment	Property /Parameter /Pointer /Analyte	Principle / Type	Label	
10	Instrument panel, Door panel, Floor console (plastic, foam, leather, textile)	Light Resistance	Visual evaluation/ Photometry	DIN EN ISO 105-B06 ISO 105-B02 ISO 105-B04 ISO 12040 ISO 4892-2 (TN-SM-ST- G11-13-E)	SAE J2412 SAE J2527 BO 116-01 GMW 14162 VCS 1026, 82429 PV 1303
11		Chemical resistance	Visual Evaluation	TN-SM-ST-G11-42-E	PV 3964

To mark the required scope of flexibility (in case the CAB requests a flexible scope of accreditation):

The laboratory may modify and validate those test methods in the accreditation field, while maintaining the measurement principle.

Flexibility does not apply to changing the principle of the methods used in a given flexible scope.

☒ The laboratory keeps an up-to-date list of all test methods with a flexible scope of accreditation on the <https://www.yanfeng.com/en/technical-center-trencin>

The principle of flexibility can be used by the laboratory within the framework of:

- ☐ matrices,
☐ indicators,
☐ measuring ranges
☒ procedures used for testing.

Personnel competent to modify and validate methods/develop new methods during the validity of the accreditation

First and last name, titles	Ability to modify and validate methods/develop new methods – item in in activity specification No.
Petra Kehrbusch	1, 2, 3, 4, 6, 7, 8, 9, 10, 11
Marek Dian	1, 2
Ladislav Ďuriš	5
