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Client: DEPESCHE VERTRIEB GMBH & CO. KG

Contact Information: Vierlander Strasse 14, 21502 Geesthacht, Germany

Test item(s): Non toys

**Identification/
Model No(s):** TOPModel Haargummi Sets/TOPModel Elastic Hairbands Sets
Item no: 13654/A

Sample obtaining method: Sending by customer

Condition at delivery: Test item complete and undamaged.

Sample Receiving date: 2025-01-09

Testing Period: 2025-01-14 to 2025-01-17

Place of testing: Chemical laboratory Hong Kong

Test Specification:

Please refer to "Test Result Summary List" on page 2 for details

Other information:

The selection of the tested materials and parameters is based on testing experience according to the principles of proportionally considering technological probabilities. The analyses are focused on expected harmful substances caused by nature of materials and production conditions.

For and on behalf of
TÜV Rheinland Hong Kong Ltd.

2025-02-11


Amenda Yung / Senior CS Manager

Date

Name/Position

Sample information is provided by customer. Test result is drawn according to the kind and extent of tests performed.
This test report relates to the above mentioned test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.
"Decision Rule" document announced in our website (<https://www.tuv.com/landingpage/en/qm-gcn/>) describes the statement of conformity and its rule of enforcement for test results are applicable throughout this test report.

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Test Result Summary :***Test Specification:******Test result:***

1 Total Cadmium Content - according to REACH regulation (EC) No. 1907/2006 Annex XVII Entry 23 and its amendments	PASS
Total Lead Content - REACH Regulation (EC) No. 1907/2006 Annex XVII Entry 63 and its amendments	PASS
2 Depesche requirement: Total Lead Content	PASS
3 Polycyclic aromatic hydrocarbons (PAHs) - according to GS Specification - AfPS GS 2019:01 PAK	PASS
4 Polycyclic aromatic hydrocarbons (PAHs) - REACH regulation (EC) No. 1907/2006 with Amendment No. 552/2009 Annex XVII Item No. 50 and (EU) No.1272/2013	PASS
5 Depesche requirement: Phthalates content	PASS
6 Banned azo dyes in accordance to REACH regulation (EC) No. 1907/2006 and amendment no. 552/2009 Annex XVII Item 43 (formerly known as 2002/61/EC)	PASS
7 Carcinogenic and Allergizing Dyes content according to Annex XVII Entry 72 of Regulation (EC) No 1907/2006 and its amendments 2 Allergizing Disperse Dyes, according to Federal Institute for Risk Assessment (BfR) (Information No. 041/2012, 6 July 2012)	PASS
8 Quinoline according to REACH regulation (EC) No. 1907/2006 and its amendments Annex XVII Entry 72	PASS
9 Formaldehyde content by EN ISO 14184-1 according to REACH regulation (EC) No. 1907/2006 and its amendments Annex XVII Entry 72	PASS
10 Packaging Waste Total Heavy Metal Content - 94/62/EC	PASS

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Material List:

Item: TOPModel Haargummi Sets/TOPModel Elastic Hairbands Sets

Item no: 13654/A

Material No.	Material	Color	Location
M001	Plastic	White	Bead
M002	Plastic	White	Elastic Cord
M003	Plastic + Textile	Shiny Gold + Beige	Bracelet Yarn
M004	Textile	Neon Pink	Bracelet Yarn
M005	Textile	Green	Bracelet Yarn
M006	Textile	Yellow	Bracelet Yarn
M007	Textile	Dark Pink	Bracelet Yarn
M008	Textile	Pale Pink	Bracelet Yarn
M009	Textile	Light Pink	Bracelet Yarn
M010	Textile	Pink	Bracelet Yarn
M011	Textile	Deep Pink	Bracelet Yarn
M012	Textile	Dull Pink	Bracelet Yarn
M013	Textile	Light Purple	Bracelet Yarn
M014	Textile	Purple	Bracelet Yarn
M015	Textile	Deep Purple	Bracelet Yarn
M016	Textile	Creamy Green	Bracelet Yarn
M017	Textile	Light Blue	Bracelet Yarn
M018	Textile	Light Brown	Bracelet Yarn
M019	Textile	Dark Brown	Bracelet Yarn
M020	Textile	Ivory	Bracelet Yarn
M021	Coating	Multicolor	Pattern of Hanging Card (packaging)

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1. Total Lead and Cadmium Content

Test Method: Acid digestion, analyzed by ICP-OES

Test result:

Test No.	Material No.	Test Parameter	Unit	RL	Test Result
T001	M001	Lead	mg/kg	10	< RL
		Cadmium	mg/kg	10	< RL
T002	M002	Lead	mg/kg	10	< RL
		Cadmium	mg/kg	10	< RL
T003	M003	Lead	mg/kg	10	< RL
		Cadmium	mg/kg	10	< RL

Abbreviation: < = less than

RL = Reporting Limit

mg/kg = milligram per kilogram

1% = 10000 mg/kg

Remark:

- * Requirements for Cadmium content according to Annex XVII Entry 23 of Regulation (EC) No 1907/2006 (REACH) and its amendments
 - Mixtures and articles produced from plastic material < 0.01 % (100 mg/kg)
 - Coated / painted articles < 0.1 % (1000 mg/kg)
 - Jewellery components < 0.01 % (100 mg/kg)
 - Paints and varnishes (excluding the applicable exemptions) < 0.01 % (100 mg/kg)

Swiss requirements for cadmium content according to the Switzerland Chemikalien-Risikoreduktions-Verordnung- ChemRRV, 814.81

- Mixtures and articles produced from plastic material < 0.01 % (100 mg/kg)
- Articles / objects treated with paints / coating with cadmium is prohibited
- Paints and varnishes < 0.01 % (100 mg/kg)

- ** Requirements for Lead content according to Annex XVII Entry 63 of Regulation (EC) No. 1907/2006 (REACH) and its amendments:

- Jewellery, imitation jewellery, hair accessories, bracelets, necklaces , rings, piercing jewellery, wrist watches, wrist-wear, brooches and cufflinks and parts used for jewellery-making < 0.05%
- Articles supplied to the general public during normal or reasonably foreseeable conditions of use, be placed in the mouth by children < 0.05%. The limit shall not apply where it can be demonstrated that the rate of lead release from such an article or any such accessible part of an article, whether coated or uncoated, does not exceed 0,05 µg/cm² per hour (equivalent to 0,05 µg/g/h), and, for coated articles, that the coating is sufficient to ensure that this release rate is not exceeded for a period of at least two years of normal or reasonably foreseeable conditions of use of the article.

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2.Total Lead

Test Method: Acid digestion, analyzed by ICP-OES / AAS

Test result:

Test No.	Material No.	Test Parameter	Unit	RL	Customer's Requirement	Test Result
T001	M001	Lead Content	mg/kg	10	100	< RL
T002	M002	Lead Content	mg/kg	10	100	< RL
T003	M003	Lead Content	mg/kg	10	100	< RL

Abbreviation: < = less than

RL = Reporting Limit

mg/kg = milligram per kilogram

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3. Polycyclic aromatic hydrocarbons (PAHs) according to GS Specification - AfPS GS 2019:01 PAK

Test Method: AfPS GS 2019:01 PAK

Test Result:

		Test No.	T001	
		Material No.	M002	
Test Parameter	CAS NO	Unit	RL	Result
Anthracene	120-12-7	mg/kg	0.2	< RL
Benzo[a]anthracene	56-55-3	mg/kg	0.2	< RL
Benzo[a]pyrene(BaP)	50-32-8	mg/kg	0.2	< RL
Benzo[b]fluoranthene	205-99-2	mg/kg	0.2	< RL
Benzo[k]fluoranthene	207-08-9	mg/kg	0.2	< RL
Benzo[j]fluoranthene	205-82-3	mg/kg	0.2	< RL
Benzo[g,h,i]perylene	191-24-2	mg/kg	0.2	< RL
Benzo[e]pyrene	192-97-2	mg/kg	0.2	< RL
Chrysene	218-01-9	mg/kg	0.2	< RL
Dibenz[a,h]anthracene	53-70-3	mg/kg	0.2	< RL
Fluoranthene	206-44-0	mg/kg	0.2	< RL
Indeno[1,2,3-cd]pyrene	193-39-5	mg/kg	0.2	< RL
Naphthalene	91-20-3	mg/kg	0.2	0.9
Phenanthrene	85-01-8	mg/kg	0.2	< RL
Pyrene	129-00-0	mg/kg	0.2	< RL
Sum of, Anthracene, Fluoranthene, Phenanthrene, Pyrene	-	mg/kg	0.2	< RL
Sum of 15 PAHs	-	mg/kg	0.2	0.9
Category*	-	--	-	2a

Abbreviation: < = less than

RL = Reporting Limit

NA = Not Applicable

mg/kg = milligram per kilogram

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Remark:

* PAH maximum permissible limits requirement from the GS-Mark Approval published by the German Federal Institute for Occupational Safety and Health (BAuA)

Parameter	Unit	Category 1	Category 2		Category 3	
		Materials intended to be placed into the mouth, or Materials in toys or articles for children up to 3 years of age with intended long-term skin contact (more than 30 s)	Materials that do not fall into Category 1 with intended or foreseeable long-term skin contact (more than 30 s) or repeated short-term skin contact		Materials not covered by category 1 or 2, with foreseeable short term contact (shorter than 30 s)	
	-	Cat. 2a Use by children	Cat. 2b Other consumer products	Cat. 3a Use by children	Cat. 3b Other consumer products	
Benzo[a]pyrene(BaP)	mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Benzo[e]pyrene	mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Benzo[a]anthracene	mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Benzo[b]fluoranthene	mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Benzo[j]fluoranthene	mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Benzo[k]fluoranthene	mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Chrysene	mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Dibenzo[a,h]anthracene	mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Benzo[g,h,i]perylene	mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Indeno[1,2,3-cd]pyrene	mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Naphthalene	mg/kg	<1	<2	<2	<10	<10
Sum of Anthracene Fluoranthene Phenanthrene Pyrene	mg/kg	<1	<5	<10	<20	<50
Sum of 15 PAHs	mg/kg	<1	<5	<10	<20	<50

Limit: Specific evaluation required according to type of foreseeable use.

The definition of "child" means persons before the age of 14 years. "Use by children" includes both active and passive direct contact by children.

** Single components with an amount of <0.2 mg/kg were not considered by the calculation of the sum. In the case of all 15 PAHs were not detected, the result is stated < RL

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4. Polycyclic aromatic hydrocarbons (PAHs)

Test Method: Organic solvent extraction, GCMS

		Test No.	T001	
		Material No.	M002	
Test Parameter	CAS NO	Unit	RL	Result
Benzo[a]anthracene (BaA)	56-55-3	mg/kg	0.2	< RL
Benzo[a]pyrene (BaP)	50-32-8	mg/kg	0.2	< RL
Benzo[b]fluoranthene (BbFA)	205-99-2	mg/kg	0.2	< RL
Benzo[k]fluoranthene (BkFA)	207-08-9	mg/kg	0.2	< RL
Benzo[j]fluoranthene (BjFA)	205-82-3	mg/kg	0.2	< RL
Benzo[e]pyrene (BeP)	192-97-2	mg/kg	0.2	< RL
Chrysene (CHR)	218-01-9	mg/kg	0.2	< RL
Dibenzo[a,h]anthracene (DBAhA)	53-70-3	mg/kg	0.2	< RL

Abbreviation: < = less than

RL = Reporting Limit

NA = Not Applicable

mg/kg = milligram per kilogram

Remark:

- * Requirement according to REACH regulation (EC) No. 1907/2006 with Amendment No. 552/2009 Annex XVII Item No. 50 and (EU) No.1272/2013, are summarized as below:

Scope	Parameter	Unit	Maximum permissible limit
Articles with direct as well as prolonged or short-term repetitive contact with the human skin or the oral cavity, under normal or reasonably foreseeable conditions of use, made of plastic and rubber shall follow below limit:			
Such articles include amongst others: ---sport equipment such as bicycles, golf clubs, racquets ---household utensils, trolleys, walking frames --- tools for domestic use --- clothing, footwear, gloves and sportswear ---watch-straps, wrist-bands, masks, head-bands	Each of 8 listed PAHs	mg/kg	1
Toys, including activity toys, and childcare articles	Each of 8 listed PAHs	mg/kg	0.5

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5. Phthalates content

Test Method: Ref. to CPSC-CH-C1001-09.4

Test Result:

Test Parameter	CAS NO	Unit	Test No.	T001	T002
			Material No.	M002	M021
Diethylhexyl phthalate (DEHP)	117-81-7	%	0.01	< RL	< RL
Dibutyl phthalate (DBP)	84-74-2	%	0.01	< RL	< RL
Benzylbutyl phthalate (BBP)	85-68-7	%	0.01	< RL	< RL
Diisobutyl phthalate (DIBP)	84-69-5	%	0.01	< RL	< RL
Sum (DEHP+DBP+BBP+DIBP)	-	%	0.01	< RL	< RL
Diisononyl phthalate (DINP)	28553-12-0, 68515-48-0	%	0.01	< RL	< RL
Diisodecyl phthalate (DIDP)	26761-40-0, 68515-49-1	%	0.01	< RL	< RL
Di-n-octyl phthalate (DNOP)	117-84-0	%	0.01	< RL	< RL
Sum (DINP+ DIDP+ DNOP)	--	%	0.01	< RL	< RL
Di-n-pentyl phthalate (DnPP)	131-18-0	%	0.01	< RL	< RL
Di-n-hexyl phthalate (DnHP)	84-75-3	%	0.01	< RL	< RL
Dicyclohexyl phthalate (DCHP)	84-61-7	%	0.01	< RL	< RL
Diisopentyl phthalate (DiPP)	605-50-5	%	0.01	< RL	< RL
n-Pentyl-isopentyl phthalate	776297-69-9	%	0.01	< RL	< RL
Di(methoxyethyl) phthalate (DMEP)	117-82-8	%	0.01	< RL	< RL
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	71888-89-6	%	0.01	< RL	< RL
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)	68515-42-4	%	0.01	< RL	< RL
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	%	0.01	< RL	< RL
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	%	0.01	< RL	< RL
1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with $\geq 0.3\%$ of dihexyl phthalate (CAS No.: 84-75-3)	68515-51-5 68648-93-1	%	0.01	< RL	< RL
Conclusion: Customer's requirement				Pass	Pass

Abbreviation: < = less than

RL = Reporting Limit

% = percentage

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Remark:

- According to customer instruction, the maximum permissible limits of phthalates are as follows:

Parameter	Unit	Maximum Permissible Limit
Sum of Dibutyl phthalate (DBP), Benzylbutyl phthalate (BBP), Diethylhexyl phthalate (DEHP) and Diisobutyl phthalate (DIBP)	%	0.1
Sum of Di-n-octyl phthalate (DNOP), Diisodecyl phthalate (DIDP) and Diisononyl phthalate (DINP)	%	0.1
Di-n-pentyl phthalate (DnPP)	%	0.1
Di-n-hexyl phthalate (DnHP)	%	0.1
Dicyclohexyl phthalate (DCHP)	%	0.1
Diisopentyl phthalate (DiPP)	%	0.1
n-Pentyl-isopentyl phthalate	%	0.1
Di(methoxyethyl) phthalate (DMEP)	%	0.1
1,2-benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	%	0.1
1,2-Benzenedicarboxylic acid, di-C7-11 branched and linear alkyl ester (DHNUP)	%	0.1
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	%	0.1
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	%	0.1
1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with $\geq 0.3\%$ of dihexyl phthalate	%	0.1

- Single component with an amount below reporting limit was not considered by the calculation of the sum.

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6. Banned azo dyes

Test Method: Method 1 - EN ISO 14362-1:2017 (Textiles) (Buffer extraction)
 Method 2 - EN ISO 14362-1:2017 (Textiles) (Xylene extraction)
 Method 3 - ISO 17234-1:2020 (Leather)
 Method 4 - EN ISO 14362-3:2017 (Textile, 4-aminoazobenzene confirmation)
 Method 5 - ISO 17234-2:2011 (Leather, 4-aminoazobenzene confirmation)

Test Results:

ID	Test Parameter	Material No.		M003		M004 + M005 + M006	
		Test No.		T001-1	T001-2	T002-1	T002-2
		Method No.		Method 1	Method 2	Method 1	Method 2
		A22 Confirmation	Method No.	4	4	4	4
A1	4-Aminobiphenyl	92-67-1	mg/kg	5	30	< RL	< RL
A2	Benzidine	92-87-5	mg/kg	5	30	< RL	< RL
A3	4-Chloro-o-toluidine	95-69-2	mg/kg	5	30	< RL	< RL
A4	2-Naphthylamine	91-59-8	mg/kg	5	30	< RL	< RL
A5*	o-Aminoazotoluene	97-56-3	mg/kg	5	30	< RL	< RL
A6*	5-nitro-o-toluidine / 2-Amino-4-nitrotoluene	99-55-8	mg/kg	5	30	< RL	< RL
A7	4-Chloroaniline	106-47-8	mg/kg	5	30	< RL	< RL
A8	4-methoxy-m-phenylenediamine / 2,4-Diaminoanisole	615-05-4	mg/kg	5	30	< RL	< RL
A9	4,4'-Diaminodiphenylmethane	101-77-9	mg/kg	5	30	< RL	< RL
A10	3,3'-Dichlorobenzidine	91-94-1	mg/kg	5	30	< RL	< RL
A11	3,3'-Dimethoxybenzidine	119-90-4	mg/kg	5	30	< RL	< RL
A12	3,3'-Dimethylbenzidine	119-93-7	mg/kg	5	30	< RL	< RL
A13	4,4'-methylenedi-o-toluidine / 3,3'-Dimethyl-4,4'-diaminodiphenylmethane	838-88-0	mg/kg	5	30	< RL	< RL
A14	p-Cresidine	120-71-8	mg/kg	5	30	< RL	< RL
A15	4,4'-Methylene-bis-(2-chloroaniline)	101-14-4	mg/kg	5	30	< RL	< RL
A16	4,4'-Oxydianiline	101-80-4	mg/kg	5	30	< RL	< RL
A17	4,4'-Thiodianiline	139-65-1	mg/kg	5	30	< RL	< RL
A18	o-Toluidine	95-53-4	mg/kg	5	30	< RL	< RL
A19	4-methyl-m-phenylenediamine / 2,4-Toluylenediamine	95-80-7	mg/kg	5	30	< RL	< RL
A20	2,4,5-Trimethylaniline	137-17-7	mg/kg	5	30	< RL	< RL
A21	O-Anisidine	90-04-0	mg/kg	5	30	< RL	< RL
A22**	4-Aminoazobenzene	60-09-3	mg/kg	5	30	< RL	< RL

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ID	Test Parameter	Material No.			M007 + M008 + M009		M010 + M011 + M012	
		Test No.			T003-1	T003-2	T004-1	T004-2
		Method No.			Method 1	Method 2	Method 1	Method 2
		A22 Confirmation Method No.			4	4	4	4
ID	Test Parameter	CAS NO	Unit	RL	Regulatory Requirement	Result	Result	Result
A1	4-Aminobiphenyl	92-67-1	mg/kg	5	30	< RL	< RL	< RL
A2	Benzidine	92-87-5	mg/kg	5	30	< RL	< RL	< RL
A3	4-Chloro-o-toluidine	95-69-2	mg/kg	5	30	< RL	< RL	< RL
A4	2-Naphthylamine	91-59-8	mg/kg	5	30	< RL	< RL	< RL
A5*	o-Aminoazotoluene	97-56-3	mg/kg	5	30	< RL	< RL	< RL
A6*	5-nitro-o-toluidine / 2-Amino-4-nitrotoluene	99-55-8	mg/kg	5	30	< RL	< RL	< RL
A7	4-Chloroaniline	106-47-8	mg/kg	5	30	< RL	< RL	< RL
A8	4-methoxy-m-phenylenediamine / 2,4-Diaminoanisole	615-05-4	mg/kg	5	30	< RL	< RL	< RL
A9	4,4'-Diaminodiphenylmethane	101-77-9	mg/kg	5	30	< RL	< RL	< RL
A10	3,3'-Dichlorobenzidine	91-94-1	mg/kg	5	30	< RL	< RL	< RL
A11	3,3'-Dimethoxybenzidine	119-90-4	mg/kg	5	30	< RL	< RL	< RL
A12	3,3'-Dimethylbenzidine	119-93-7	mg/kg	5	30	< RL	< RL	< RL
A13	4,4'-Methylenedi-o-toluidine / 3,3'-Dimethyl-4,4'-diaminodiphenylmethane	838-88-0	mg/kg	5	30	< RL	< RL	< RL
A14	p-Cresidine	120-71-8	mg/kg	5	30	< RL	< RL	< RL
A15	4,4'-Methylene-bis-(2-chloroaniline)	101-14-4	mg/kg	5	30	< RL	< RL	< RL
A16	4,4'-Oxydianiline	101-80-4	mg/kg	5	30	< RL	< RL	< RL
A17	4,4'-Thiodianiline	139-65-1	mg/kg	5	30	< RL	< RL	< RL
A18	o-Toluidine	95-53-4	mg/kg	5	30	< RL	< RL	< RL
A19	4-methyl-m-phenylenediamine / 2,4-Toluylendiamine	95-80-7	mg/kg	5	30	< RL	< RL	< RL
A20	2,4,5-Trimethylaniline	137-17-7	mg/kg	5	30	< RL	< RL	< RL
A21	O-Anisidine	90-04-0	mg/kg	5	30	< RL	< RL	< RL
A22**	4-Aminoazobenzene	60-09-3	mg/kg	5	30	< RL	< RL	< RL

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ID	Test Parameter	Material No.			M013 + M014 + M015		M016 + M017 + M018		
		Test No.			T005-1	T005-2	T006-1	T006-2	
		Method No.			Method 1	Method 2	Method 1	Method 2	
		A22 Confirmation Method No.			4	4	4	4	
ID	Test Parameter	CAS NO	Unit	RL	Regulatory Requirement	Result	Result	Result	Result
A1	4-Aminobiphenyl	92-67-1	mg/kg	5	30	< RL	< RL	< RL	< RL
A2	Benzidine	92-87-5	mg/kg	5	30	< RL	< RL	< RL	< RL
A3	4-Chloro-o-toluidine	95-69-2	mg/kg	5	30	< RL	< RL	< RL	< RL
A4	2-Naphthylamine	91-59-8	mg/kg	5	30	< RL	< RL	< RL	< RL
A5*	o-Aminoazotoluene	97-56-3	mg/kg	5	30	< RL	< RL	< RL	< RL
A6*	5-nitro-o-toluidine / 2-Amino-4-nitrotoluene	99-55-8	mg/kg	5	30	< RL	< RL	< RL	< RL
A7	4-Chloroaniline	106-47-8	mg/kg	5	30	< RL	< RL	< RL	< RL
A8	4-methoxy-m-phenylenediamine / 2,4-Diaminoanisole	615-05-4	mg/kg	5	30	< RL	< RL	< RL	< RL
A9	4,4'-Diaminodiphenylmethane	101-77-9	mg/kg	5	30	< RL	< RL	< RL	< RL
A10	3,3'-Dichlorobenzidine	91-94-1	mg/kg	5	30	< RL	< RL	< RL	< RL
A11	3,3'-Dimethoxybenzidine	119-90-4	mg/kg	5	30	< RL	< RL	< RL	< RL
A12	3,3'-Dimethylbenzidine	119-93-7	mg/kg	5	30	< RL	< RL	< RL	< RL
A13	4,4'-Methylenedi-o-toluidine / 3,3'-Dimethyl-4,4'-diaminodiphenylmethane	838-88-0	mg/kg	5	30	< RL	< RL	< RL	< RL
A14	p-Cresidine	120-71-8	mg/kg	5	30	< RL	< RL	< RL	< RL
A15	4,4'-Methylene-bis-(2-chloroaniline)	101-14-4	mg/kg	5	30	< RL	< RL	< RL	< RL
A16	4,4'-Oxydianiline	101-80-4	mg/kg	5	30	< RL	< RL	< RL	< RL
A17	4,4'-Thiodianiline	139-65-1	mg/kg	5	30	< RL	< RL	< RL	< RL
A18	o-Toluidine	95-53-4	mg/kg	5	30	< RL	< RL	< RL	< RL
A19	4-methyl-m-phenylenediamine / 2,4-Toluylendiamine	95-80-7	mg/kg	5	30	< RL	< RL	< RL	< RL
A20	2,4,5-Trimethylaniline	137-17-7	mg/kg	5	30	< RL	< RL	< RL	< RL
A21	O-Anisidine	90-04-0	mg/kg	5	30	< RL	< RL	< RL	< RL
A22**	4-Aminoazobenzene	60-09-3	mg/kg	5	30	< RL	< RL	< RL	< RL

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ID	Test Parameter	Material No.			M019 + M020	
		Test No.			T007-1	T007-2
		Method No.			Method 1	Method 2
		A22 Confirmation Method No.			4	4
		CAS NO	Unit	RL	Regulatory Requirement	Result
A1	4-Aminobiphenyl	92-67-1	mg/kg	5	30	< RL
A2	Benzidine	92-87-5	mg/kg	5	30	< RL
A3	4-Chloro-o-toluidine	95-69-2	mg/kg	5	30	< RL
A4	2-Naphthylamine	91-59-8	mg/kg	5	30	< RL
A5*	o-Aminoazotoluene	97-56-3	mg/kg	5	30	< RL
A6*	5-nitro-o-toluidine / 2-Amino-4-nitrotoluene	99-55-8	mg/kg	5	30	< RL
A7	4-Chloroaniline	106-47-8	mg/kg	5	30	< RL
A8	4-methoxy-m-phenylenediamine / 2,4-Diaminoanisole	615-05-4	mg/kg	5	30	< RL
A9	4,4'-Diaminodiphenylmethane	101-77-9	mg/kg	5	30	< RL
A10	3,3'-Dichlorobenzidine	91-94-1	mg/kg	5	30	< RL
A11	3,3'-Dimethoxybenzidine	119-90-4	mg/kg	5	30	< RL
A12	3,3'-Dimethylbenzidine	119-93-7	mg/kg	5	30	< RL
A13	4,4'-methylenedi-o-toluidine / 3,3'-Dimethyl-4,4'-diaminodiphenylmethane	838-88-0	mg/kg	5	30	< RL
A14	p-Cresidine	120-71-8	mg/kg	5	30	< RL
A15	4,4'-Methylene-bis-(2-chloroaniline)	101-14-4	mg/kg	5	30	< RL
A16	4,4'-Oxydianiline	101-80-4	mg/kg	5	30	< RL
A17	4,4'-Thiodianiline	139-65-1	mg/kg	5	30	< RL
A18	o-Toluidine	95-53-4	mg/kg	5	30	< RL
A19	4-methyl-m-phenylenediamine / 2,4-Toluylenediamine	95-80-7	mg/kg	5	30	< RL
A20	2,4,5-Trimethylaniline	137-17-7	mg/kg	5	30	< RL
A21	O-Anisidine	90-04-0	mg/kg	5	30	< RL
A22**	4-Aminoazobenzene	60-09-3	mg/kg	5	30	< RL

Abbreviation: < = less than

RL = Reporting Limit

mg/kg = milligram per kilogram

Remark:

- * The CAS-number 97-56-3 (A5) and 99-55-8 (A6) are further reduced to CAS-number 95-53-4 (A18) and 95-80-7 (A19).
- ** Azo colorants that are able to form 4-aminoazobenzene (A22) CAS-number 60-09-3, generate under the condition of this method Aniline (CAS-number 62-53-3) and 1,4-phenylenediamine (CAS-number 106-50-3.)
- *** Azo colorants that are able to form 4-aminoazobenzene (A22), is confirmed by EN ISO 14362-3:2017 / ISO 17234-2:2011.
- **** Azo colorants are detected & quantified by GC/MS and confirmed by HPLC/DAD or HPLC/MSMS.

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7. Carcinogenic, Allergizing Disperse Dyes and Other Banned Dyestuffs

Test Method: DIN 54231: 2022

Test Results:

					Test No	T001	T002	T003
					Material No	M003	M004 + M005 + M006	M007 + M008 + M009
Parameter	CAS NO	Unit	RL	Regulatory Requirement	Result	Result	Result	
Disperse Blue 1	2475-45-8	mg/kg	15	50	< RL	< RL	< RL	
Disperse Blue 35	12222-75-2	mg/kg	15	50	< RL	< RL	< RL	
Disperse Blue 106	12223-01-7	mg/kg	15	50	< RL	< RL	< RL	
Disperse Blue 124	61951-51-7	mg/kg	15	50	< RL	< RL	< RL	
Disperse Orange 3	730-40-5	mg/L	15	50	< RL	< RL	< RL	
Disperse Orange 37/76/59	12223-33-5/ 13301-61-6/ 51811-42-8	mg/kg	15	50	< RL	< RL	< RL	
Disperse Red 1	2872-52-8	mg/kg	15	50	< RL	< RL	< RL	
Disperse Yellow 3	2832-40-8	mg/kg	15	50	< RL	< RL	< RL	
Basic Red 9	569-61-9	mg/kg	15	50	< RL	< RL	< RL	
Basic Violet 3 (with \geq 0.1 % Michler's ketone or base)	548-62-9	mg/kg	15	50	< RL	< RL	< RL	
					Test No	T004	T005	T006
					Material No	M010 + M011 + M012	M013 + M014 + M015	M016 + M017 + M018
Parameter	CAS NO	Unit	RL	Regulatory Requirement	Result	Result	Result	
Disperse Blue 1	2475-45-8	mg/kg	15	50	< RL	< RL	< RL	
Disperse Blue 35	12222-75-2	mg/kg	15	50	< RL	< RL	< RL	
Disperse Blue 106	12223-01-7	mg/kg	15	50	< RL	< RL	< RL	
Disperse Blue 124	61951-51-7	mg/kg	15	50	< RL	< RL	< RL	
Disperse Orange 3	730-40-5	mg/L	15	50	< RL	< RL	< RL	
Disperse Orange 37/76/59	12223-33-5/ 13301-61-6/ 51811-42-8	mg/kg	15	50	< RL	< RL	< RL	
Disperse Red 1	2872-52-8	mg/kg	15	50	< RL	< RL	< RL	
Disperse Yellow 3	2832-40-8	mg/kg	15	50	< RL	< RL	< RL	
Basic Red 9	569-61-9	mg/kg	15	50	< RL	< RL	< RL	
Basic Violet 3 (with \geq 0.1 % Michler's ketone or base)	548-62-9	mg/kg	15	50	< RL	< RL	< RL	

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					Test No
					Material No
Parameter	CAS NO	Unit	RL	Regulatory Requirement	Result
Disperse Blue 1	2475-45-8	mg/kg	15	50	< RL
Disperse Blue 35	12222-75-2	mg/kg	15	50	< RL
Disperse Blue 106	12223-01-7	mg/kg	15	50	< RL
Disperse Blue 124	61951-51-7	mg/kg	15	50	< RL
Disperse Orange 3	730-40-5	mg/L	15	50	< RL
Disperse Orange 37/76/59	12223-33-5/ 13301-61-6/ 51811-42-8	mg/kg	15	50	< RL
Disperse Red 1	2872-52-8	mg/kg	15	50	< RL
Disperse Yellow 3	2832-40-8	mg/kg	15	50	< RL
Basic Red 9	569-61-9	mg/kg	15	50	< RL
Basic Violet 3 (with \geq 0.1 % Michler's ketone or base)	548-62-9	mg/kg	15	50	< RL

Abbreviation: < = less than

RL=Reporting Limit

mg/kg =milligram per kilogram

*=Dye with allergenic characters

 Δ =Dye with carcinogenic characters.

+ =Dye tested by In-house methods, the substance is tested in terms of its respective elements (e.g. Pb, Cr, Mo) and Cr (VI).

Remark:

- * According to Annex XVII Entry 72 (CMR substances) of Regulation (EC) No1907/2006and its amendments :
Clothing or related accessories, footwear and other textiles (which, under normal or reasonably foreseeable conditions of use, come into contact with human skin to an extent similar to clothing):
Limit for 3 disperse dyes: < 50 mg/kg
- C.I. Disperse Blue 1 (CAS 2475-45-8);
- C.I. Basic Red 9 (CAS 569-61-9);
- C.I. Basic Violet 3 with \geq 0.1% of Michler's ketone (CAS 548-62-9)
- ** According to DIN 54231:2022, the usage of a dyestuff is proved if a content of more than 50 mg/kg is determined in the extract.

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8. Quinoline

Test Method: Ref. to DIN 54231:2022

Test Result:

Test No.	Material No.	Test Parameter	CAS No.	Unit	RL	Regulatory Requirement	Test Result	Conclusion
T001	M003	Quinoline	91-22-5	mg/kg	10	50	< RL	Pass
T002	M004 + M005 + M006	Quinoline	91-22-5	mg/kg	10	50	< RL	Pass
T003	M007 + M008 + M009	Quinoline	91-22-5	mg/kg	10	50	< RL	Pass
T004	M010 + M011 + M012	Quinoline	91-22-5	mg/kg	10	50	< RL	Pass
T005	M013 + M014 + M015	Quinoline	91-22-5	mg/kg	10	50	< RL	Pass
T006	M016 + M017 + M018	Quinoline	91-22-5	mg/kg	10	50	< RL	Pass
T007	M019 + M020	Quinoline	91-22-5	mg/kg	10	50	< RL	Pass

Abbreviation: < = less than

RL = Reporting Limit

mg/kg = milligram per kilograms

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9. Formaldehyde (EN ISO 14184-1)

Test Method: EN ISO 14184-1:2011

Test Result:

Test No.	Material No.	Test Parameter	CAS No.	Unit	RL	Weight of sample (g)	Test Result
T001	M003	Formaldehyde content	50-00-0	mg/kg	10	1.0146	< RL
T002	M004 + M005 + M006	Formaldehyde content	50-00-0	mg/kg	10	1.0103	< RL
T003	M007 + M008 + M009	Formaldehyde content	50-00-0	mg/kg	10	1.0059	< RL
T004	M010 + M011 + M012	Formaldehyde content	50-00-0	mg/kg	10	1.0018	< RL
T005	M013 + M014 + M015	Formaldehyde content	50-00-0	mg/kg	10	1.0049	< RL
T006	M016 + M017 + M018	Formaldehyde content	50-00-0	mg/kg	10	1.0115	< RL
T007	M019 + M020	Formaldehyde content	50-00-0	mg/kg	10	0.5050	< RL

Abbreviation: < = less than

RL = Reporting Limit

mg/kg = milligram per kilogram

g = gram

Remark:

- * The sample was packed in polyethylene bag and wrapped by aluminum foil prior to test.
- ** The range of the calibration graph: 0.1 µg CH₂O/ml to 6 µg CH₂O/ml.
- ***. One test is performed for each material.
- *1 According to REACH Regulation (EC) No. 1907/2006 and its amendment Annex XVII Entry 72, formaldehyde content shall not exceed 75 mg/kg.

Formaldehyde in jackets, coats or upholstery, the relevant concentration shall be 300 mg/kg during the period between 1 November 2020 and 1 November 2023. 75 mg/kg shall apply thereafter.

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10. Packaging Waste Total Heavy Metal Content - 94/62/EC

Test Method: Sample digestion, analyzed by ICP-OES / Ultraviolet Visible Spectrophotometer (UV-Vis)

Result:

Test No.	Material No.	Test Parameters	Unit	RL	Regulatory Requirement	Result	Conclusion
T001	M021	Pb	mg/kg	10	-	< RL	-
		Cd	mg/kg	10	-	< RL	-
		Cr (VI)	mg/kg	10	-	< RL	-
		Hg	mg/kg	10	-	< RL	-
		Sum of Pb, Cd, Cr(VI) and Hg	mg/kg	10	100	< RL	Pass

Abbreviation: < = less than

RL = Reporting Limit

mg/kg = milligram per kilogram

Remark:

** According to "European Parliament and Council Directive 94/62/EC of 20 December 1994"; the maximum permissible limit of the sum of the concentration of Lead, Cadmium, Mercury and Hexavalent Chromium is 100ppm.

*** Single element with an amount of less than reporting limit were not considered by the calculation of the sum. In the case of all elements were less than reporting limit, the result is stated < RL.

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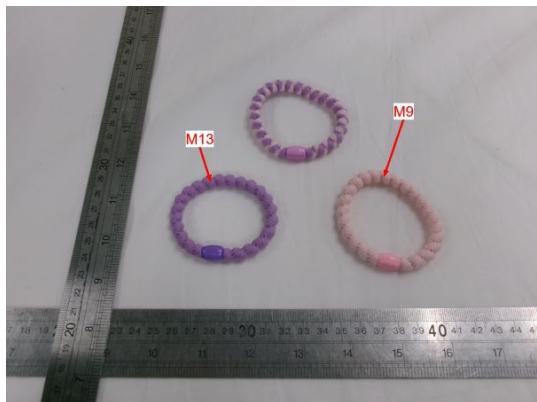
Sample Photos



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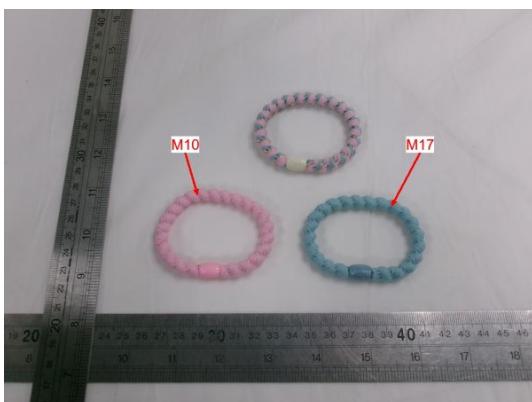
Sample Photos



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Sample Photos



- END -

General Terms and Conditions of Business of TÜV Rheinland in Greater China

1. Scope

These General Terms and Conditions of Business of TÜV Rheinland in Greater China ("GTCB") is made between the client on the one hand and TÜV Rheinland in Greater China as the case may be ("TÜV Rheinland"). The Greater China hereof refers to the regions within the territories of China. The client hereof includes:

- (i) a natural person capable to form legally binding contracts under the applicable laws who corresponds to the conditions of the use of a duly use;
- (ii) the incorporated or unincorporated entity, organized, validly existing and capable to form legally binding contracts under the applicable laws;
- 1.2 The following terms and conditions apply to agreed services including consultancy services, information, delivery and similar services as well as ancillary services and other secondary output services;
- 1.3 Any standard terms and conditions of the client of any nature shall not apply and shall hereby be expressly excluded. No standard contractual terms and conditions of the client shall form part of the contract even if TÜV Rheinland does not explicitly object to them.
- 1.4 In the context of an ongoing business relationship with the client, this GTCB shall also apply to future contracts with the client without TÜV Rheinland having to refer to them separately in each individual case.

2. Quotations

Unless otherwise agreed, all quotations submitted by TÜV Rheinland can be changed by TÜV Rheinland without prior notice to the acceptance and confirmation by the other party.

3. Coming into effect and duration of contracts

- 3.1 The contract shall come into effect for the agreed terms upon the quotation letter of TÜV Rheinland or a separate contractual document being signed by both contracting parties, or upon the works requested by the client being carried out by TÜV Rheinland. If the client instructs TÜV Rheinland without receiving a quotation from TÜV Rheinland (quotation), TÜV Rheinland is, in its sole discretion, entitled to accept the order by giving the client a written notice of acceptance (including notice via electronic means) to perform the requested services.
- 3.2 The contract term starts upon the coming into effect of the contract in accordance with article 3.1 and shall continue for the term agreed in the contract.
- 3.3 If the contract provides for an extension of the contract term, the contract term will be extended by the term provided for in the contract unless terminated in writing by either party with a three-month notice prior to the end of the contractual term.

4. Scope of services

- 4.1 The scope and type of the services to be provided by TÜV Rheinland shall be specified in the contractually agreed service scope of TÜV Rheinland by both parties. If no separate service scope of TÜV Rheinland exists, then the written confirmation of order by TÜV Rheinland shall be deemed to be the service scope. The service scope shall be determined by the description of the service description (e.g. checking the correctness and functionality of parts, products, processes, installations, organizations not listed in the service description, as well as the intended use and application of such) are not covered. In particular, no responsibility is assumed for the design, development, manufacture or assembly of an examined part, product, process or plant, unless this is expressly stated in the order.
- 4.2 The agreed services shall be performed in compliance with the regulations in force at the time the contract is entered into.
- 4.3 TÜV Rheinland is entitled to determine, in its sole discretion, the method and nature of the assessment unless otherwise agreed in writing or if mandatory provisions require a specific procedure to be followed.
- 4.4 On execution of the work there shall not be simultaneous assumption of any guarantee of the correctness (product quality) of working parts of either tested or examined parts of the installed or tested and/or accepted and/or rejected components, organizations, units and application in accordance with regulations, nor of the systems on which the installation is based. In particular, TÜV Rheinland shall assume no responsibility for the construction, selection of materials and assembly of installations, examined, nor for their use and application in accordance with regulations, unless these questions are expressly covered by the contract.
- 4.5 In the case of imports, TÜV Rheinland shall not be responsible for the accuracy or check of the safety programmes, safety regulations on which the inspections are based, unless otherwise expressly agreed in writing.
- 4.6 If mandatory legal regulations and standards or official requirements for the agreed service scope change after conclusion of the contract, with a written notice to the client, TÜV Rheinland shall be entitled to add or remove requirements in accordance with the new regulations.
- 4.7 The services to be provided by TÜV Rheinland under the contract are agreed exclusively with the client. A contract of third parties with the services of TÜV Rheinland, as well as making available of and justifying confidence in the work results (test reports, test results, expert reports, etc.) is not part of the service scope. This also applies if the client passes on work results - in full or in part - to a third party in accordance with clause 4.4.

- 4.8 The client understands and agrees that in order to perform the contract with TÜV Rheinland, the client may need to sign one or more contracts/agreements with a/more third party(ies) and establish legal relationships with them that partly according to sub-contracting principles, TÜV Rheinland will merely act as a consulting and legal advisor according to the contract and the direct services actually to be provided by our company in the service process. If the relevant services are not directly provided by TÜV Rheinland (including but not limited to any testing and certification services to be provided by third testing and certification bodies), TÜV Rheinland will make available this information for sub-contracting services and no action or inaction of the contract, the client hereby agrees that TÜV Rheinland can also sub-entrust to a third party to provide agency services, but TÜV Rheinland shall not bear any responsibility and/or risk for any services to be provided by any third parties (including but not limited to the testing and/or certification services to be provided and/or applied by our company in the service process) and/or other third parties. The client also agrees that TÜV Rheinland can provide services provided by other third agent(s), etc. Besides, the client shall be liable in accordance with the relevant laws and regulations and/or the terms under the contract. If the client is required to conduct any annual review/surveillance of the relevant testing and/or certification service results and/or the relevant testing and/or certification service results of the testing and/or certification results, such fees are not within the scope of the contract price, the client shall timely perform the obligation of such annual review/surveillance and pay the corresponding fees. If the client fails to perform such obligations of the annual review/surveillance or fees payment, it may lead to the termination of the contract and/or invalidity of testing and/or certification results, which shall not be forceable by TÜV Rheinland.
- 4.9 For the service content agreed in the contract, if the client requires TÜV Rheinland to deliver test samples, data, etc. to any overseas laboratory or other places or sites to be designated, TÜV Rheinland shall not take any responsibility and/or risk for any problems during such delivery and the transportation process (including but not limited to any loss or damages of the samples and/or the materials, etc.). Besides, the relevant freight fees shall be borne by the client.

5. Performance periods/dates

- 5.1 The contractually agreed periods/dates of performance are based on estimates of the work involved which are prepared in line with the details provided by the client. They shall only be binding if confirmed as binding by TÜV Rheinland in writing.
- 5.2 If binding periods of performance have been agreed, these periods shall not commence until the client has submitted the required documents to TÜV Rheinland.
- 5.3 Article 5.1 and 5.2 also apply when the client has given written notice to the client, to all extensions of agreed periods/dates of performance not caused by TÜV Rheinland.
- 5.4 TÜV Rheinland is not responsible for a delay in performance, in particular if the client has not fulfilled his duties to cooperate in accordance with clause 6.1 or has not done so in time and, in particular, has not provided the required documents with all documents and information required for the performance of the services as specified in the contract.
- 5.5 If the performance of TÜV Rheinland is delayed due to unforeseeable circumstances such as force majeure, strikes, business disruptions, governmental regulations, transport obstacles, etc., TÜV Rheinland is entitled to postpone performance for a reasonable period of time which corresponds to the duration of the hindrance plus any time period which may be required to resume performance.
- 5.6 If the client is obliged to comply with legal, officially prescribed and/or by the accreditor prescribed deadlines, it is the client's responsibility to agree on performance dates with TÜV Rheinland, which are to be observed. TÜV Rheinland is not obliged to accept such deadlines. TÜV Rheinland assumes no responsibility in this respect unless TÜV Rheinland expressly agreed in writing specifically stating that ensuring the deadlines is the contractual obligation of TÜV Rheinland.

6. The client's obligation to cooperate

- 6.1 The client shall guarantee that all cooperation required on its part, its agents or third parties will be provided in good faith and at no cost to TÜV Rheinland.
- 6.2 Delivering samples, supporting data, etc., necessary for performance of the services shall be made available free of charge by the client. Moreover, collaborative action of the client must be undertaken in accordance with legal provisions, standards, safety regulations and accident prevention instructions. And the client represents and warrants that:

- a) it has required statutory qualifications;
- b) the product, service or management system to be certified complies with applicable laws and regulations; and
- c) it doesn't have any illegal and dishonest behaviours or is not included in the list of Enterprises with Serious Illegal and Dishonest Acts of People's Republic of China.

If the client breaches the aforesaid representations and warranties, TÜV Rheinland is entitled to i) immediately terminate the contract/order without prior notice; and ii) withdraw the issued testing report/documents if any.

6.3 The client shall bear any additional cost incurred on account of work having to be redone or being delayed as a result of false, incorrect or incomplete information provided by or lack of proper cooperation from the client. Even when a fixed or maximum price is agreed, TÜV Rheinland shall be entitled to charge extra fees for such additional expense.

7. Prices

- 7.1 If the scope of performance is not laid down in writing when the order is placed, invoicing shall be based on the actual quantity delivered. In no price is agreed in writing, invoicing shall be made in accordance with the price list of TÜV Rheinland valid at the time of performance.
- 7.2 Unless otherwise agreed, work shall be invoiced according to the progress of the work.
- 7.3 If the execution of an order extends over more than one month and the value of the contract or the agreed fixed price exceeds €2,500.00 in equivalent value in local currency, TÜV Rheinland may demand payments on account or in instalments.

8. Payment terms

- 8.1 All invoice amounts shall be due for payment within 30 days of the invoice date without deduction on receipt of the invoice. No discounts and rebates shall be granted.
- 8.2 Payments shall be made to the bank account of TÜV Rheinland as indicated on the invoice, stating the invoice number.
- 8.3 In the event of default of payment, TÜV Rheinland shall be entitled to claim default interest at the applicable short term loan interest rate publicly announced by a reputable commercial bank in the country where TÜV Rheinland is located. At the same time, TÜV Rheinland reserves the right to charge further default interest.
- 8.4 Should there be default in payment of the invoice despite being granted a reasonable grace period, TÜV Rheinland shall be entitled to cancel the contract, withdraw the certificate, claim damages for non-performance and refuse to continue performance of the contract.
- 8.5 The provisions set forth in article 8.4 shall also apply in cases involving returned cheques, cancellation of payment, commencement of insolvency proceedings against the client's assets or cases in which the commencement of insolvency proceedings has been dismissed due to lack of assets.
- 8.6 Objections to the invoices of TÜV Rheinland shall be submitted in writing within two weeks of receipt of the invoice.

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8.7 TÜV Rheinland shall be entitled to demand appropriate advance payments.

8.8 TÜV Rheinland shall be entitled to raise its fees at the beginning of a month if overheads and/or purchase costs have increased. In this case, TÜV Rheinland shall notify the client in writing of the rise in fees. The notice period shall be the same as the minimum payment period on which the rise in fees shall be based. The client shall be entitled to terminate the contract if the rise in fees exceeds 5% per contractual year, the client shall be entitled to terminate the contract by the end of the period of notice of change in fees. If the contract is not terminated, the changed fees shall be deemed to have been agreed upon by the time of the expiry of the notice period.

8.9 Only legally established and undisputed claims may be offset against claims by TÜV Rheinland. TÜV Rheinland shall have to right at all times to settle any amount of fees or payable by the client, including but not limited to, debts against any fees paid by the client under any contracts, agreement and/or orders/quotations reached with TÜV Rheinland.

9. Acceptance of work

9.1 Any part of the work result ordered which is complete in itself may be presented by TÜV Rheinland for acceptance as an installation. The client shall be obliged to accept it immediately.

9.2 If acceptance is required or contractually agreed in an individual contract, this shall be defined to have taken place two (2) weeks after completion and handover of the work, unless the client refuses acceptance within this period stating at least one fundamental breach of contract by TÜV Rheinland.

9.3 The client is not entitled to refuse acceptance due to insignificant breach of contract by TÜV Rheinland.

9.4 If acceptance is excluded according to the nature of the work performance of TÜV Rheinland, the completion of the work shall take its place.

9.5 During the Following Audit, TÜV Rheinland shall be unable to make use of the time windows provided for making a record of a certification procedure for auditing/performing (audit) of TÜV Rheinland and the certificate is therefore to be withdrawn (e.g. performance of the audit/audit of the client) if the client cancels or postpones a confirmed audit date within two (2) weeks before the agreed date, TÜV Rheinland is entitled to immediately claim a lump sum of 10% of the agreed audit amount as compensation for the loss.

9.6 Insofar as the client has undertaken in the contract to accept services, TÜV Rheinland shall also be entitled to claim lump-sum damages in the amount of 10% of the order amount as compensation for expenses if the service is not called within one year after the order has been placed. The client reserves the right to prove that the TÜV Rheinland has incurred no damage whatsoever or only a considerably lower damage than the above mentioned lump sum.

9.7 Insofar as the client has undertaken in the contract to accept services, TÜV Rheinland shall also be entitled to claim lump-sum damages in the amount of 10% of the order amount as compensation for expenses if the service is not called within one year after the order has been placed. The client reserves the right to prove that the TÜV Rheinland has incurred no damage whatsoever or only a considerably lower damage than the above mentioned lump sum.

10. Confidentiality

10.1 For the purpose of these terms and conditions, "confidential information" means all know-how, trade secrets, documents, images, drawings, expertise, information, data, test results, reports, samples, project documents, pricing and financial information, customer and supplier information, and marketing techniques, including, tangible or intangible, those that are developed or otherwise disclosed to one Party ("the receiving party") by the other Party ("the disclosing party") in writing or orally, in printed or electronic format. Confidential information is expressly not the data and know-how collected, compiled or otherwise obtained by TÜV Rheinland (non-personal and/or proprietary to the client) within the scope of the provision set out by TÜV Rheinland. TÜV Rheinland is entitled to store and/or use the data and know-how in connection with the provision of services.

10.2 The disclosing party shall mark all confidential information disclosed in written form as confidential before passing it onto the receiving party. If the receiving party fails to do so, the disclosing party is entitled to make the confidential information is disclosed orally, the receiving party shall be appropriately informed in advance and the disclosing party shall confirm in writing the confidentiality of the information within five working days of oral disclosure. Where the disclosing party fails to do so within the stipulated period, the receiving party shall take any reasonable steps to keep the information confidential such information. The client shall avoid sending any third party information (e.g. Wechat, etc. Unauthorized by TÜV Rheinland) to send any confidential information to TÜV Rheinland. Instead, the client shall send any confidential information to company email to TÜV Rheinland employees through its company email, the client reserves the right to use the data and know-how in connection with the provision of the services.

10.3 All confidential information which the disclosing party transmits or otherwise discloses to the receiving party and which is created in the course of work by TÜV Rheinland:

- a) may only be used by the receiving party for the purpose of performing the contract, unless expressly otherwise agreed in writing by the disclosing party;
- b) may not be copied, distributed, published or otherwise disclosed by the receiving party, unless it is necessary for fulfilling the purpose of the contract or the provision of services;
- c) may not be used by the receiving party for the purpose of the provision of services to third parties, unless it is necessary for fulfilling the purpose of the contract or the provision of services;

c) must be treated by the receiving party with the same level of confidentiality as the receiving party uses to protect its own confidential information, but never with a lesser level of confidentiality than that which is reasonably required.

10.4 The receiving party may disclose any confidential information received from the disclosing party only to those employees of the client who need this information to perform the services required for the contract. The receiving party undertakes to oblige these employees to observe the same level of secrecy as for the receiving party.

10.5 a) where the receiving party has received the information from the disclosing party, or has become general knowledge without violation of this confidentiality clause by the receiving party, or

b) it was disclosed to the receiving party by a third party entitled to disclose this information; or

c) the receiving party already possessed this information prior to disclosure by the disclosing party;

d) the receiving party developed it itself, irrespective of disclosure by the disclosing party, shall not be deemed to constitute "confidential information" as defined in this confidentiality clause.

10.6 All confidential information shall remain the property of the disclosing party. The receiving party agrees to immediately (i) return or destroy all copies of the confidential information, including all copies, and confirm the destruction of this confidential information to the disclosing party in writing at any time if requested by the disclosing party but at the latest and without notice at the time the receiving party has completed the work or (ii) to include reports and certificates prepared for the client for the purpose of fulfilling the obligations under the contract, which shall remain with the client. However, TÜV Rheinland is entitled to make file copies of such reports, certificates and confidential information that forms the basis for preparing and/or issuing certificates in order to evidence the correctness of its results and for general documentation purposes required by laws, regulations and the requirements of working procedures of TÜV Rheinland.

From the start of the contract and for a period of three years after termination or expiry of the contract, the receiving party shall maintain strict secrecy of all confidential information and shall not disclose this information to any third parties or use it for itself.

11. Copyrights and rights of use, publications

11.1 TÜV Rheinland shall retain all exclusive copyrights in the reports, expert reports/opinions, test reports/results, results, calculations, presentations etc. prepared by TÜV Rheinland, unless otherwise agreed by the parties in a separate agreement. As the owner of the copyrights, TÜV Rheinland is free to grant other right to use the work results for individual or all types of use (right of use).

11.2 The client receives a simple, unlimited, non-transferable, non-sublicensable right of use to the contents of the work results produced within the scope of the contract, unless otherwise agreed by the parties in a separate agreement. The client may only use such reports, expert reports/opinions, test results/results, calculations, presentations etc. prepared by TÜV Rheinland within the scope of the contract for the purpose of fulfilling the obligations under the contract.

11.3 The transfer of right of use of the generated work results is regulated in clause 11.2. of the GTCB is subject to full payment of the remuneration agreed in favour of TÜV Rheinland.

11.4 The client may use the work results only completed and unshortened. The client may only pass on the work results in full if TÜV Rheinland has given its prior written consent to the partial passing on of work results.

11.5 Any publication or duplication of the work results for advertising purposes or any further use of the work results beyond the scope regulated in clause 11.2. of the GTCB is prohibited without the prior written consent of TÜV Rheinland in each individual case. Besides, the client ensures that the aforesaid use shall comply with relevant applicable laws, regulations and relevant rules (including but not limited to specific applicable testing and certification rules, etc.).

11.6 TÜV Rheinland may invoke a grace period according to clause 11.5 at any time without stating reasons. In this case, the client is obliged to stop the transfer of the work results immediately at his own expense and, as far as possible, to withdraw publications.

11.7 The consent of TÜV Rheinland to publication or duplication of the work results does not entitle the client to use the corporate logo, corporate design or test/certification mark of TÜV Rheinland.

12. Liability of TÜV Rheinland

12.1 Irrespective of the legal basis, to the fullest extent permitted by applicable law, in the event of a breach of contractual obligations or tort, the liability of TÜV Rheinland for all damages, losses and reimbursement of expenses caused by TÜV Rheinland, its legal representatives and/or employees shall be limited to the amount of the agreed fee, three times the amount of the fees for the entire contract. (ii) in the case of a contract for annually recurring services, the agreed annual fee; (iii) in the case of a contract expressly charged on a time and material basis, a maximum of 20,000 Euro or equivalent amount in local currency; and (iv) in the case of a framework agreement that provides for the possibility of placing individual orders, three times the fee for the individual order.

Notwithstanding the above, in the event that the total and accumulated liability calculated according to the foregoing provisions exceeds 2.5 Million Euro or equivalent amount in local currency, the total and accumulated liability of TÜV Rheinland shall be only limited to and shall not exceed 2.5 Million Euro or equivalent amount in local currency.

12.2 The limitation of liability according to clause 12.1 above shall not apply to damages and/or losses caused by malice, intent or gross negligence on the part of TÜV Rheinland or its vicarious agents. Such limitation shall not apply to damages for a person's death, physical injury or illness.

12.3 In cases involving a claim for damages, TÜV Rheinland shall be liable even where there is no fault or negligence involved. For this purpose, a "fault" means a breach of a material contractual obligation, the performance of which permits the due performance of the contract. Any claim for damages for a fundamental breach of contract shall be limited to the amount of damages reasonably foreseeable as a possible consequence of such breach of contract at the time of the fault (reasonably foreseeable damages), unless any of the circumstances described in article 12.2 applies.

12.4 TÜV Rheinland shall not be liable for the acts of the personnel made available by the client to support TÜV Rheinland in the performance of its services. In the case of damage, such damage may be limited to the amount of the fees for the services provided by TÜV Rheinland. TÜV Rheinland is not liable for the acts of the personnel made available by the client under the foregoing provision, the client shall indemnify TÜV Rheinland against any claims made by third parties arising from or in connection with such personnel's acts.

12.5 Unless otherwise contracted in writing, TÜV Rheinland shall only be liable under the contract to the client.

12.6 The limitation periods for claims for damages shall be based on statutory provisions.

12.7 None of the provisions of this article 12 changes the burden of proof to the disadvantage of the client.

13. Export control

13.1 When passing on the services provided by TÜV Rheinland or parts thereof to third parties in Greater China or other regions, the client must comply with the respectively applicable regulations of national and international export control law.

13.2 The performance of a contract with the client is subject to the proviso that there are no obstacles to performance due to national or international foreign trade legislations or embargos and/or

sanctions. In the event of a violation, TÜV Rheinland shall be entitled to terminate the contract with immediate effect and the client shall compensate for the losses incurred thereby to TÜV Rheinland.

14. Data protection notice

The client understands and agrees that TÜV Rheinland processes personal data (including but not limited to personal information) of the client and its related parties (including but not limited to the supplier of the client) for the purpose of fulfilling this contract. The client confirms that it has obtained prior consent of the client for the use of such personal data. TÜV Rheinland to process, use, or disclose the personal data of the client, the client has given its prior consent. TÜV Rheinland will process the personal data of the client, the client has given its prior consent. TÜV Rheinland will carry out cross-border data transmission and protect the data in compliance with the privacy and personal data protection regulations and laws and regulations in China and the local country. TÜV Rheinland will take measures to avoid any personal data, including damage, being disclosed or transmitted to any third party without the client's prior consent. TÜV Rheinland will carry out cross-border data transmission and protect the data in accordance with the relevant legal basis. If any personal data has to be disclosed or transferred to any third party, any overseas party outside of the district in which the client is located, TÜV Rheinland will obtain the prior consent of the client. TÜV Rheinland will not disclose or transfer the personal data to any third party without the client's prior consent. TÜV Rheinland will carry out cross-border data transmission and protect the data in accordance with the relevant legal basis. If any personal data has to be disclosed or transferred to any third party, any overseas party outside of the district in which the client is located, TÜV Rheinland will obtain the prior consent of the client. TÜV Rheinland will carry out cross-border data transmission and protect the data in accordance with the relevant legal basis. 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