Test Report - Products	TÜV Rheinland [®] Precisely Right.
ReportNo.:	244385154b 001 Page 1 of 17
Client: Contact Information:	
Hentification∕ ModelNo(s):	Control Box SHD30 Column SHA 310-X1-X2; SHA320-X1-X2; SHA210-X1-X2; SHA230-X1- X2; SHA 311-X1-X2; SHA321-X1-X2; SHA211-X1-X2; SHA231-X1-X2 (X1=400-800; X2=300-700)
Condition at de livery:	Test item complete and undamaged.
Sam ple Receiving date:	2022-03-10, 2022-05-30
Testing Period:	2022-03-10 to 2022-03-21, 2022-05-30 to 06-06
Place of testing:	Chemical laboratory Shanghai

TestSpecification:

Testresult:

PASS

1. Screening Test by XRF Spectroscopy

According to RoHS (recast): Restriction of the Use of Certain Hazardou: Substances in Electrical and Electronic Equipm2011,/65/EU Annex II and its amendment.

For and on behalf of TÜV Rheinland (Shanghai) Co., Ltd.



2022-06-07

Ryan Chen / Assistant 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 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 test results are applicable throughout this test report.

TÜV Rheinland (Shanghai) Co., Ltd., Shanghai TÜV Rheinland Building, No. 177, Lane 777, West Guangzhong Road, Jing'an District, Shanghai, 200072, P.R.China Tel +86 21 6108 1188 ·Fax +86 21 6108 1099 ·Mail: service-gc@tuv.com · Web: www.tuv.com



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Material List:

Item: Control Box SHD30

Column SHA310-X1-X2; SHA320-X1-X2; SHA210-X1-X2; SHA230-X1-X2; SHA311-X1-X2; SHA321-X1-X2; SHA211-X1-X2; SHA231-X1-X2 (X1=400-800; X2=300-700)

Material No.	Material	Color	Location
M001	Metal	white	refer to photo
M002	Metal	silver	refer to photo
M003	Metal	white	refer to photo
M004	Metal	silver	refer to photo
M005	Metal	silver	refer to photo
M006	Plastic	black	refer to photo
M007	Plastic	black	refer to photo
M008	Plastic	white	refer to photo
M009	Plastic	black	refer to photo
M010	Plastic	black	refer to photo
M011	Plastic	black	refer to photo
M012	Metal	silver	refer to photo
M013	Metal	golden	refer to photo
M014	Metal	copper	refer to photo
M015	Plastic	black	refer to photo
M016	Plastic	brown	refer to photo
M017	Plastic	blue	refer to photo
M018	Plastic	black	refer to photo
M019	Plastic	black	refer to photo
M020	Plastic	black	refer to photo
M021	Plastic	black	refer to photo
M022	Plastic	black	refer to photo
M023	Plastic	black	refer to photo
M024	Plastic	green	refer to photo
M025	Plastic	brown	refer to photo
M026	Plastic	red	refer to photo
M027	Plastic	white	refer to photo

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M028	Plastic	yellow	refer to photo
M029	Plastic	transparent	refer to photo
M030	Plastic	white	refer to photo
M031	Plastic	black	refer to photo
M032	Plastic	black	refer to photo
M033	Electronic components	-	refer to photo
M034	Electronic components	-	refer to photo
M035	Electronic components	-	refer to photo
M036	Electronic components	-	refer to photo
M037	Electronic components	-	refer to photo
M038	Electronic components	-	refer to photo
M039	Electronic components	-	refer to photo
M040	Electronic components	-	refer to photo
M041	Electronic components	-	refer to photo
M042	Metal	silver	refer to photo
M043	Electronic components	-	refer to photo
M044	Solder	silver	refer to photo
M045	PCB board	green	refer to photo
M046	PCB board	green	refer to photo
M047	Plastic	black	refer to photo
M048	Plastic	white	refer to photo
M049	Plastic	white	refer to photo
M050	Metal	silver	refer to photo
M051	Metal	silver	refer to photo
M052	Plastic	white	refer to photo
M053	Plastic	white	refer to photo
M054	Plastic	black	refer to photo
M055	Plastic	black	refer to photo
M056	Plastic	white	refer to photo
M057	Plastic	white	refer to photo
M058	Plastic	white	refer to photo
M059	Plastic	white	refer to photo



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M060	Plastic	white	refer to photo
M061	Plastic	black	refer to photo
M062	Metal	silver	refer to photo
M063	Metal	silver	refer to photo
M064	Metal	silver	refer to photo
M065	Metal	silver	refer to photo
M066	Metal	silver	refer to photo
M067	Magnet	black	refer to photo
M068	Metal	silver	refer to photo
M069	Metal	silver	refer to photo
M070	Metal	silver	refer to photo
M071	Metal	silver	refer to photo
M072	Metal	silver	refer to photo
M073	Metal	copper	refer to photo
M074	Metal	copper	refer to photo
M075	Electronic components	-	refer to photo
M076	Plastic	black	refer to photo
M077	Plastic	black	refer to photo
M078	Metal	silver	refer to photo
M079	Plastic	red	refer to photo
M080	Plastic	black	refer to photo
M081	Plastic	black	refer to photo
M082	Plastic	white	refer to photo
M083	Plastic	blue	refer to photo
M084	Plastic	purple	refer to photo
M085	Plastic	black	refer to photo
M086	PCB board	green	refer to photo
M087	Metal	silver	refer to photo
M088	Plastic	white	refer to photo
M089	Plastic	black	refer to photo
M090	Plastic	black	refer to photo
M091	Plastic	transparent	refer to photo



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M092	Metal	black	refer to photo
M093	Metal	black	refer to photo
M094	Metal	silver	refer to photo
M095	Metal	silver	refer to photo
M096	Metal	silver	refer to photo
M097	Metal	silver	refer to photo
M098	Metal	silver	refer to photo
M099	Metal	silver	refer to photo



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1.Screening Test by XRF spectroscopy

Test Method: Cadmium, Lead, Mercury, Chromium, Bromine -- With reference to IEC 62321-3-1:2013

Test Result:

Material No.	Cd	Cr	Pb	Hg	Br
M001	BL	BL	BL	BL	n.a.
M002	BL	BL	BL	BL	n.a.
M003	BL	BL	BL	BL	n.a.
M004	BL	BL	BL	BL	n.a.
M005	BL	BL	BL	BL	n.a.
M006	BL	BL	BL	BL	BL
M007	BL	BL	BL	BL	BL
M008	BL	BL	BL	BL	BL
M009	BL	BL	BL	BL	BL
M010	BL	BL	BL	BL	BL
M011	BL	BL	BL	BL	d*1
M012	BL	BL	d*1	BL	n.a.
M013	BL	BL	d*1	BL	n.a.
M014	BL	BL	BL	BL	n.a.
M015	BL	BL	BL	BL	BL
M016	BL	BL	BL	BL	BL
M017	BL	BL	BL	BL	BL
M018	BL	BL	BL	BL	d*1
M019	BL	BL	BL	BL	BL
M020	BL	BL	BL	BL	d*1
M021	BL	BL	BL	BL	BL
M022	BL	BL	BL	BL	BL
M023	BL	BL	BL	BL	BL
M024	BL	BL	BL	BL	BL
M025	BL	BL	BL	BL	BL
M026	BL	BL	BL	BL	BL
M027	BL	BL	BL	BL	BL
M028	BL	BL	BL	BL	BL
M029	BL	BL	BL	BL	BL
M030	BL	BL	BL	BL	BL
M031	BL	BL	BL	BL	d*1
M032	BL	BL	BL	BL	d*1
M033	BL	BL	BL	BL	BL
M034	BL	BL	BL	BL	BL
M035	BL	BL	BL	BL	BL
M036	BL	BL	BL	BL	BL
M037	BL	BL	BL	BL	BL

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M038	BL	BL	BL	BL	n.a.
M039	BL	BL	BL	BL	BL
M040	BL	BL	BL	BL	BL
M041	BL	BL	BL	BL	BL
M042	BL	BL	BL	BL	n.a.
M043	BL	BL	BL	BL	d*1
M044	BL	BL	BL	BL	n.a.
M045	BL	BL	BL	BL	BL
M046	BL	BL	BL	BL	BL
M047	BL	BL	BL	BL	BL
M048	BL	BL	BL	BL	BL
M049	BL	BL	BL	BL	BL
M050	BL	BL	BL	BL	n.a.
M051	BL	BL	BL	BL	n.a.
M052	BL	BL	BL	BL	BL
M053	BL	BL	BL	BL	BL
M054	BL	BL	BL	BL	d*1
M055	BL	BL	BL	BL	BL
M056	BL	BL	BL	BL	BL
M057	BL	BL	BL	BL	BL
M058	BL	BL	BL	BL	BL
M059	BL	BL	BL	BL	BL
M060	BL	BL	BL	BL	BL
M061	BL	BL	BL	BL	BL
M062	BL	d*1	BL	BL	n.a.
M063	BL	BL	BL	BL	n.a.
M064	BL	BL	BL	BL	n.a.
M065	BL	d*1	BL	BL	n.a.
M066	BL	BL	BL	BL	n.a.
M067	BL	BL	BL	BL	n.a.
M068	BL	d*1	BL	BL	n.a.
M069	BL	d*1	BL	BL	n.a.
M070	BL	d*1	BL	BL	n.a.
M071	BL	d*1	BL	BL	n.a.
M072	BL	BL	BL	BL	n.a.
M073	BL	BL	BL	BL	n.a.
M074	BL	BL	BL	BL	n.a.
M075	BL	BL	BL	BL	BL
M076	BL	BL	BL	BL	BL
M077	BL	BL	BL	BL	BL
M078	BL	BL	BL	BL	n.a.
M079	BL	BL	BL	BL	BL
M080	BL	BL	BL	BL	BL

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M081	BL	BL	BL	BL	BL
M082	BL	BL	BL	BL	BL
M083	BL	BL	BL	BL	BL
M084	BL	BL	BL	BL	BL
M085	BL	BL	BL	BL	BL
M086	BL	BL	BL	BL	d*1
M087	BL	BL	BL	BL	n.a.
M088	BL	BL	BL	BL	BL
M089	BL	BL	BL	BL	BL
M090	BL	BL	BL	BL	BL
M091	BL	BL	BL	BL	BL
M092	BL	BL	BL	BL	n.a.
M093	BL	BL	BL	BL	n.a.
M094	BL	BL	BL	BL	n.a.
M095	BL	d*1	BL	BL	n.a.
M096	BL	BL	BL	BL	n.a.
M097	BL	d*1	BL	BL	n.a.
M098	BL	d*1	BL	BL	n.a.
M099	BL	BL	BL	BL	n.a.

Abbreviation:	Pb
	Cd

Hg

=	Lead
_	

= Cadmium = Mercury

= Chromium

Cr = Br Bromine

- n.a. = Not appliable
- = Below limit ΒL
- = Over limit OL
- = Detected d.



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Remark:

- (*1) The screening result was detected in the inconclusive region or over limits, thus the further wet chemistry tests are suggested.
- (*2) Component(s)/ materials(s) with an area of less than 2 mm x 2 mm will not be selected for testing according to RoHS Directive 2011/65/EU due to technical reason. For the test sample does not have detail materials information provided by client, visually identical materials (e.g. wire insulation, solder points, etc.) will be considered as the same material. Solder points on a printing circuit board will be examined several times based on optical anomalies or discoloration of the solder point(s) unless the solder point(s) is obviously generated automatically during production.

All other materials will be sampled and tested at one test point representatively.

	Concentration (%)							
Material	Cd	Cr	Pb	Hg	Br			
Polymeric	BL≤0.006 <x<0.014≤ OL</x<0.014≤ 	<x<0.014≤ bl≤0.064<x="" bl≤0.067<x<0.133≤<br="">0L OL</x<0.014≤>		BL≤0.066 <x< 0.134≤OL</x< 	BL≤0.029 <x< th=""></x<>			
Metallic	BL≤0.006 <x<0.014≤ OL</x<0.014≤ 	BL≤0.064 <x< th=""><th>BL≤0.067<x<0.133≤ OL</x<0.133≤ </th><th>BL≤0.066<x< 0.134≤OL</x< </th><th>n.a.</th></x<>	BL≤0.067 <x<0.133≤ OL</x<0.133≤ 	BL≤0.066 <x< 0.134≤OL</x< 	n.a.			
Composite materials	BL≤0.004 <x<0.016≤ OL</x<0.016≤ 	BL≤0.044 <x< th=""><th>BL≤0.047<x<0.153≤ OL</x<0.153≤ </th><th>BL≤0.046<x< 0.154≤OL</x< </th><th>BL≤0.024<x< th=""></x<></th></x<>	BL≤0.047 <x<0.153≤ OL</x<0.153≤ 	BL≤0.046 <x< 0.154≤OL</x< 	BL≤0.024 <x< th=""></x<>			

XRF Screening limits for different matrices :

Remark: The symbol "X" marks the region where further investigation is necessary.



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Cadmium, Lead, Chromium (VI), Mercury, Polybrominated biphenyls (PBB) and Polybrominated diphenyl ethers (PBDE)

- Test Method: Total Cadmium, Lead, Mercury, Chromium
 - Ref. to IEC 62321-4:2013+AMD1:2017 and IEC 62321-5:2013

Chromium (VI)

- For Metal material Ref. to IEC 62321-7-1:2015
- For Plastic or Electronic material Ref. to IEC 62321-7-2:2017
- For Leather material Ref. to EN ISO 17075-1:2017

PBBs, PBDEs - Ref. to IEC 62321-6:2015

	Cd	Cr(VI)	Pb	Hg	PBBs (*)	PBDEs (*)
Maximum Permissible Limit (%)	0.01	0.1	0.1	0.1	0.1	0.1
			(%)		
Material No.	Cd	Cr^	Pb	Hg	PBBs (*)	PBDEs (*)
			RL (%)		
	0.001	0.001	0.001	0.001	0.01	0.01
M011	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M012	n.a.	n.a.	3.04 6(c)	n.a.	n.a.	n.a.
M013	n.a.	n.a.	0.0853	n.a.	n.a.	n.a.
M018	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M020	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M031	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M032	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M043	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M054	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M086	n.a.	n.a.	n.a.	n.a.	< RL	< RL

Test Result:



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Material No.	Hexavalent Chromium Content (μg/cm²) (*1) RL: 0.10 μg/cm²
M062	Negative
M065	Negative
M068	Negative
M069	Negative
M070	Negative
M071	Negative
M095	Negative
M097	Negative
M098	Negative

Abbreviation: Pb = Lead Cd = Cadmium Hg = Mercury Cr = Chromium Cr (VI) = Chromium (VI) PBBs = Total Polybrominated Biphenyls PBDEs = Total Polybrominated Diphenyl Ethers = Less than < RL = Reporting Limit = Not Applicable n.a. = The total Chromium have been determined ۸ % = Percentage



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Remark:

(*) The reporting limit for each individual PBBs and individual PBDEs are :

Reporting Limit (%)				
	Bromobiphenyl	0.01		
	Dibromobiphenyl	0.01		
	Tribromobiphenyl	0.01		
	Tetrabromobiphenyl	0.01		
PBBs	Pentabromobiphenyl	0.01		
	Hexabromobiphenyl	0.01		
	Heptabromobiphenly	0.01		
	Octabromobiphenyl	0.01		
	Nonabromobiphenyl	0.01		
	Decabromobiphenyl	0.01		
	Bromodiphenylether	0.01		
	Dibromodiphenyl ether	0.01		
	Tribromodiphenyl ether	0.01		
	Tetrabromodiphenyl ether	0.01		
PBDEs	Pentabromodiphenyl ether	0.01		
	Hexabromodiphenyl ether	0.01		
	Heptabromodiphenyl ether	0.01		
	Octabromodiphenyl ether	0.01		
	Nonabromodiphenyl ether	0.01		
	Decabromodiphenyl ether	0.01		

(*1) The total chromium content in Metal sample was found to be exceeded the maximum permissible limit (0.1%). Thus, the Chromium (VI) content in surface layer have been confirmed with reference to IEC 62321-7-1:2015 Annex.

	Chromium (VI) concentration	Qualitative result
Negative	<0.1µg/cm ²	The sample is negative (-ve) for Cr(VI). The Cr(VI) concentration is below the limit of quantification. The coating is considered a non-Cr(VI) based coating
Inconclusive	≥0.1µg/cm² and ≤0.13 µg/cm²	The result is considered to be inconclusive. Unavoidable coating variations may influence the determination. Recommendation: if additional samples are available, perform a total of 3 trials to increase sampling surface area. Use the averaged result of the 3 trails for the final determination.
Positive	>0.13 µg/cm²	The sample is positive (+ve) for Cr(VI). Concentration is above the limit of quantification and the statistical margin of error. The sample coating is considered to contain Cr(VI).

6(c) Copper alloy containing up to 4 % lead by weight



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BBP, DBP, DEHP, DIBP content

Test Method: IEC 62321-8:2017

Test Result:

	BBP	DBP	DEHP	DIBP
Maximum permissible Limit (%)	0.1	0.1	0.1	0.1

	Material No.	(%)				
Test No.		BBP	DBP	DEHP	DIBP	
		RL (%)				
		0.005	0.005	0.005	0.005	
T001	M009 + M010 + M015	< RL	< RL	< RL	< RL	
T002	M016 + M017 + M021	< RL	< RL	< RL	< RL	
T003	M025 + M026 + M027	< RL	< RL	< RL	< RL	
T004	M028 + M047 + M055	< RL	< RL	< RL	< RL	
T005	M077 + M079 + M080	< RL	< RL	< RL	< RL	
T006	M083 + M084 + M085	< RL	< RL	< RL	< RL	
T007	M089 + M090	< RL	< RL	< RL	< RL	
T008	M022	< RL	< RL	< RL	< RL	
T009	M023	< RL	< RL	< RL	< RL	
T010	M024	< RL	< RL	< RL	< RL	

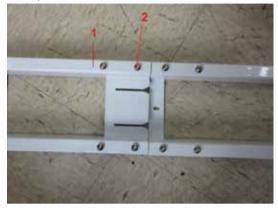
Abbreviation:

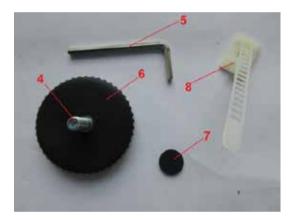
BBP= Benzylbutyl phthalate DBP= Dibutyl phthalate DEHP= Bis(2-ethylhexyl) phthalate DIBP= Diisobutyl phthalate < = less than RL = Reporting Limit N.A. = Not Applicable %= percentage



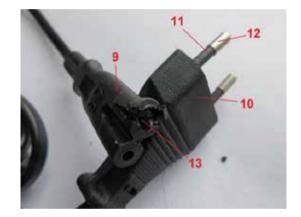
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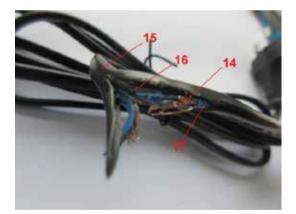
Sample Photos









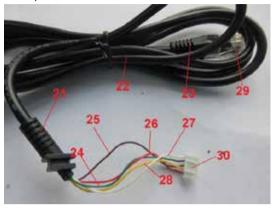




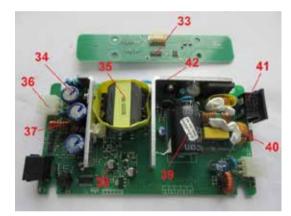


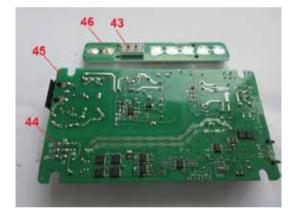
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Sample Photos









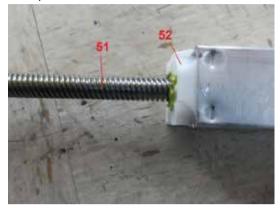






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Sample Photos

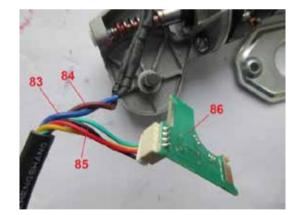








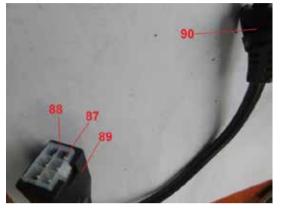






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Sample Photos

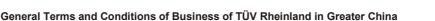








- END -



Scope

- These General Terms and Conditions of Business of TÜV Rheinland in Greater China (COTER) has made and the set of the set 1.1
- 1.2
- 1.3
- usequences provided within the scope of contract performance. 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 venti IT UV Rehimited does not explicitly deduct to them. Instruct expression with the client without TUV Rehenland having to refer to them separately in each individual case. 1.4

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

Coming into effect and duration of contracts

- The contect that come into effect for the agend terms soon the groution tetler of TU/ Bissinified or assignable contractived document barry grand by both roomstrating parties or upon the works requested by the client being carried out by TUV. Rheinland. If the client instructs TUV Rheinland without receiving a quotation from TUV. Rheinland (quotation), TUV. Rheinland is, in its sole discretion, entitled to accept the order by giving written notice of such acceptance (including notice sent V and electronic means) or by parforming the requested 3.1 3.2
- services. 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. If the contract provides for an attention 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. 3.3

Scope of services

- Scope of services The scope and type of the services to be provided by TUV Rheinland shall be specified in the contractually agreed service scope of TUV Rheinland by both parties. If no such separate service scope of TUV Rheinland wisks, then the written confirmation of order by TUV Rheinland shall be decisive for the service to be provided. Unless otherwise agreed, services beyond the scope 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 interior due and application (such earlier of noved. In particular, no responsibility parts, products, processes, installations of such) are not noved. In particular, no responsibility he agreed services shall be performed in compliance with the regulations in force at the time the contract 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 groodure. In be clowed. 4.1 4.2
- 4.3
- IUV Rhemiand 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. On execution of the work there shall be no simultaneous assumption of any guarantee of the correctiness (proper quality) and working order of either tested or examined parts nor of the application in accordance with regulations, nor of the systems on without the installation is based. In particular, TOV Rheinland shall assume no responsibility for the construction, in accordance with regulations, nor of the accordance and regulation in accordance and the systems of the simulation in accordance with regulations, and sets are expressly covered by the contract. 4.4
- 4.5
- 4.7
- In accordance with regulations, unless these questions are expressly covered by the contract. In the case of impection work, TUV Behainand shall not be responsible for the accuracy or checking of the safety programmes or safety regulations on which the inspections are based, unless otherwise expressly agreed in writing. If mandatory legal regulations and standards or official requirements for the agreed service scope change after conclusion of the contract, twit is written notice to the client, TUV Rheinland shall be entitled to additional remumeration for resulting additional expenses. The services to be provided by TUV Rheinland under the contract are agreed exclusively what available of and justifying confidence in the work results (bet reports, set) is not part of the agreed services. This also applies the client passes on work results in full or in extracts to third parties in accordance with clause 11.4. Performance periods/dates

- 5.1
- 52 5.3
- 5.4
- 5.5
- 5.6
- Performance periods/dates
 The contractually agreed periods/dates of performance are based on estimates of the work
 involved within are prepared in line with the details provided by the client. They shall only be
 binding if being confirmed as banding by TUV Reinitand in writing.
 The client has builting of the client of the service as specified in the contract.
 The performance of TUV Rheiniand is delayed due to furthereader of the client of the client of the service as specified in the contract.
 The performance of TUV Rheiniand is delayed due to furthereader of the service as the client of the there of the client of the there of the client of the there of the there

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 time and at no cost to TÜV Rheinland.
- Design documents, supplies, auxiliary staff, 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, safely regulations and accident prevention instructions. And the client represents and warrants that:
- It has required statutory qualifications; al
- The product, service or management system to be certified complies with applicable laws and regulations; and b)
- 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. c) 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/certificates if any.
- The client shall bear any additional cost incurred on account of work having to be redone or being delayed as a result of late, incorrect or incomplete information provided by or lack of proper cooperation from the client. Even where a fixed or maximum price is agreed, TÜV Rheinland shall be entitled to charge extra fees for such additional expense. 6.3
- Prices
- 7.1
- If the scope of performance is not laid down in writing when the order is placed, invoicing shall be based on costs actually incurred. If no price is agreed in writing, invoicing shall be made in accordance with the price laid of TUV Rheninal valid at the time of performance. Unless otherwise agreed, work shall be invoiced according to the progress of the work. If the execution of an order extends of wer more than one month and the value of the control of the agreed fixed price exceeds £2,500.00 requivalent value in local currency. TUV Rhenhand may demand payments on account or in instalinents. 7.2 7.3

Payment terms

- 8.1
- 83
- 8.4
- Payment terms All invoice amounts shall be due for payment within 30 days of the invoice date without deduction on recept of the invoice. No discounts and rebates shall be granted. Payments shall be made to the bank account of TUV Rheinland as indicated on the invoice, in cases of deduct of payment. TUV Rheinland to locate the entitled to claim deduct interest at the applicable short term loan interest rate publicly announced by a republie commercial bank in the country where TUV Rheinland is located. At the same time, TUV Rheinland reserves the right to claim further damages. Should the client deduct in payment of the invoice despite being granted a reasonable grace period, TUV Rheinland lab the entitled to camed the contract, which are the certificate, claim the provisions set torth in action 43 thall allos apply in cases in which the commencement of insolvery proceedings basies due to leads. of asses in which the commencement of insolvery proceedings basies discussed as the sets. 8.5
- of assets. Objections to the invoices of TÜV Rheinland shall be submitted in writing within two weeks of TOV Rheinland table be attitled to receipt of the invoice. 8.6
- Objections to the involces of TUV Rheinland shall be submitted in writing within two weeks of TUV Rheinland shall be entitled to demand appropriate davance payments. TUV Rheinland shall be entitled to desaid, In this case, TUV Rheinland shall be attitled to the set of the 8.7 8.8
- Only legally established and undisputed claims may be offset against claims by TÜV Rheinland. TÜV Rheinland shall have the right at all times to setoff any amount due or payable by the client, including but not limited to setoff against any fees paid by the client under any contracts, agreement and/or corders/quotations carefed with TÜV Rheinland. 8.10
- Acceptance of work

April 2022

- 0.1 Any part of the work result ordered which is complete in itself may be presented by TÜV Rheinland for acceptance as an instalment. The client shall be obliged to accept it
- ely. nce is required or contractually agreed in an individual case, this shall be deemed to n place two (2) weeks after completion and handover of the work, unless the client cceptance within this period stating at least one fundmental breach of contract by 9.2
- TÜV Rł reinland. Init is not entitled to refuse acceptance due to insignificant breach of contract by TÜV 93 9.4
- The client is not entitled to refuse acceptance due to insignificant breach of contract by TUV Reacceptions. The acceptions of the work shall take its place. During the Follow-Audit stage, if the client was unable to make use of the time windows provided for within the scope of a certification procedure for auditing/berformance by TUV audits.) or (The client cancels or prophoses a confirmed audit data within the client was audits), or (The client cancels or prophoses a confirmed audit data within the (U) weeks before the agreed date, TUV Rheinland is entitled to immediately charge a lump-sum compensation of 10% of the order amount as compensation for expenses. The client reserves the right to prove that the TUV Rheinland has incurred no damage whatsoever or only a considerably insofar as the entitled to charge lump-sum damages in the amount of 10% of the order amount as compensation for expenses if the service is not called with now year after the order has based prove the reserves the right to prove that the TUV Rheinland has placed. The client reserves the right to prove that the TUV Rheinland has incurred no damage whatsoever or only a considerably buy compensation of the order amount as compensation the order and a based method has incurred to damage whatsoever or only a considerably buy client the TUV Rheinland has incurred to damage whatsoever or only a considerably buy client and based method. 9.5
- 9.6

Confidentiality

- waterweit of only a considerably lower damage than the above mentioned lump sum: **Conflocations** For the purpose of hese terms and conditions, "confidential information" means all know-how. Fards ascrets, documents, images, drawings, expertise, information, data, test results, reports, amplies, project documents, priving and financial information (attances of the purpose) information, and material behaviours and mainly lask targible or interpose. This are supported the second expersively not the data and know-how collected, compiled or otherwise obtained by TUV Resintant (increase) second 10.3
- a) b)
- c)
- 10.4
- 10.5 a)
- b) c) d)
- the receiving party already possessed this information prior to disclosure by the disclosing party sale party or the second seco 10.7

Copyrights and rights of use, publications

- 11.1
- 11.2
- 11.3 11.4
- Copyrights and rights of use, publications
 The Devine of the International Internation 11.5
- 11.6
- 11.7

Liability of TÜV Rheinland 12.

- Liability of TÜV Rheinland Inspective 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 reimbursenest of expenses caused by TÜV Rheinland, is legal gregorestratives and/or employees shall be limited to: (i) in the case of a contract with a fixed overall fee, fitnee limits services, the agreed annual fee; (iii) his the case of a contract expressive fundance of a services, the agreed annual fee; (iii) his the case of a contract expressive fundance on a limit and material basis, a maximum of 20.000 Euro or equivalent amount in local currency; and (iv) in the case of a famework agreement that provides for the possibility of plaqing do a limit and calculated according to the foreign provisions exceeded. S Million Euro equivalent amount in local currency, the total and accumulated liability of TÜV Rheinland shall be only limited to and that not accorde the said 2.5 Million Euro or equivalent amount in local currency. In the second the said 2.5 Million Euro or equivalent amount in local currency in local currency, the total and accumulated liability of TÜV Rheinland shall be only limited to and that not accorde the said 2.5 Million Euro or equivalent amount local currency. Such limitation hall not apply to damages for a person desht, physical liquiry of liness. In cases involving a landmental breach of motived. TOV Rheinland will be liable even where h cases involving a landmental breach of a mitterial bill haven in the said of a since of the said accurrence and the said 2.5 Million Euro expression desht, physical liquiry of liness. 12.1
- 12.2
- injury or limes. In cases involving a fundamental breach of contract, TÜV Rheinland will be liable even where minor negligence is involved. For this purpose, a "fundamental breach" is breach of a material May claim for dimages for a fundamental breach of contract shall be limited to the amount of damages reasonably foreseen as a possible consequence of such breach of contract at the lime of the breach (reasonably foreseenbe damages), unless any of the circumstances 12.3 12.4
- time of the breach (reasonably forseeable damages), unless any of the circumstances described in article 12 applies. To be acto of the personer made available by the circumstances to TUV Rhot data that the lase performance of its services under the control, unless such personnel made available is regardles a vacarous agent of TUV Rhotinath. TIVV Rhotinath is not liable for the acts of the personnel made available by the circum . ITUV Rhotinath provision, the circumstantial bin regardles and vacarous agent and the transmitted by third parties artising from or in connection with such personnel's acts. 12.5
- contract to the client. The limitation periods for claims for damages shall be based on statutory provisions. None of the provisions of this article 12 changes the burden of proof to the disadvantage of the 12.6 12.7
- Export control 13
- When passing on the services provided by TUV 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 sexport control to the provise of that there are no obstacles to performance due to national or international foreign trade legislations or making and the event of a work of the outpart of the trade to the provise of the tortical performance defect and the client is advanted for the losses incurs or embargies and/or with immediate effect and the client that all compensate for the losses incurs thereof by TUV with immediate effect and the client that compensate for the losses incurs thereof thereof by TUV and the second term of the second term of the obstacles the second term of the obstacles to the second term of the second term of the obstacle second term of the second term of the obstacles to the second term of the second term of the obstacles term of the obstacles term of the obstacles to the second term of the second term of the second term of the obstacles term of the second term of the second term of the obstacles term of the second term of ter 13.1 13.2

14. Data protection notice The client understands and agrees that TÜV Rheinland processes personal data (including but not timited to personal information) of the client and its nelated parties (including but not limited to the supplier of licently of the purpose of fulfilling bits contract. The client confirms that it has obtained the prior consent of the data subject. Which entities TUV Rheinland to access, use, or process the personal data that the client collected or processed by talef and transferred to TUV Rheinland. For certain services, we may also process sensitive personal and transferred to TUV Rheinland. For certain services, we may also process sensitive personal and transferred to TUV Rheinland. For certain services, we may also process sensitive personal and transferred to TUV Rheinland. For certain services, we may also process sensitive personal and personal data has to be disclocated or transferred to any third party or any outcrease personal data. The personal data was collected, the client also confirms that it has obtained the prior consent of the data subject. TUV Rheinland will carry out cross-border accounty related laws and epopalations in China and the local country. TUV Rheinland will sate measures to advice anises, Data subjects may sexcess the following right: right of information, objection, right of data transferrability, in addition, periors concerned by the data processing have the right to evolve their concernet and any time with fields for the data service. TUV Rheinland will carry out forse horizon for the origin of personal data by TUV Rheinland and site person reprosibile or contract on the processing of personal data by TUV Rheinland and site the protection pitch are data to file or the data protection for the data protection of the personal data on the TUV Rheinland by e-mail at datagrotection@ditecom@diteco

🛕 TÜVRheinland® Precisely Right.

Retention of test material and documentation 15.

15.1

17.

b)

- 15.2 15.3
- Retention of test material and documentation The test samples submitted by the client to TU NR beinland for testing will be scrapped following testing or will be returned to the client at the client's expense. The only exceptions are test samples, which are placed in storage on the basis of statutory regulations or of another Charges apply if the test samples are sclored at the premises of TUR Nethiand. The cost of placing a test sample into storage will be disclosed to the client to the placed in storage at height premises, the reference samples or documentations must be made available to TUV request. Is increable of making material the test regular samples and/or cloumentation, and testification that its brought forward by the client against the value of the test make certification that its brought forward by the client against the value. The reference samples of making material the reference samples and/or cloumentation, and trank certifications of a policiable the reference samples and/or cloumentation. The reference amplet of making mathematic the low (and the test mak certification that is policiable test reference samples and/or cloumentation, and are cortification that is policiable test reference samples and/or cloumentation again the reference amplet of the documentation shall be 10 (len) years after the expiry of the test mak certification that is expliciable test reference the client's premises are berne by the electric. UK Rheindand will be liable the hose of test samples or reference samples from the laboratories or warehouses of TUV Rheinland only in case of gross negligence. 15.4
- 15.5 regligence

Termination of the contract

- Termination of the contract in the case of arrivation of the contract in the senting of, in the case of arrivation of the contract in the senting or, in the case of arrivation of the contract in the senting or, in the case of arrivation of the contract in the senting or, in the case of arrivation of the contract in the senting or of, in the case of arrivation of the contract in the senting or of, in the case of arrivation of the contract in the senting or of, in the case of arrivation of the contract in the senting or of, in the case of arrivation of the contract in the senting or of the contract in the case of arrivation of the contract in the senting of the contract in the contract are considerably end of the contract in the contract is the contract in the contract in the contract in the contract is the contract in the contract in the contract is the contract in the contract in the contract is the contract is the contract in the contract is the contract is ther 16.1 16.2
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- which must fur example during the performance of monitoring audits). Clause 16.3 applies according): Force Majeer "Image the occurrence of an event or circumstance that prevents or impedes a Prory from performing one or more of the contractual dugators under the contract, If and to during the second se 17.3

- 18. 18.1 18.2. (a)
- (b)
- Here if yit in the dualitation of the implement exceeds if 20 days. **Hardship** The Parties are bound to perform their contractual duties even if events have rendered performance more contracts han could reasonably have been anticipated at the time of the Notivitation of the second second second second second second second second second team in a second the time of the second second second second second second second team in a second the time of the second second second second second second second team in a second the time of the second 18.3.

Partial invalidity, written form, place of jurisdiction and dispute reso

- 19.1 19.2
- agreement of the other Party.
 Partial Invalidity, written form, place of jurisdiction and dispute resolution
 All amendments and supplements must be in writing in order to be effective. This also applies
 to emerchannels and supplements in this classer 17.1.
 Been provide the effective the contracting parties shall replace the invalid provision with
 be or become inference, the contracting parties shall replace the invalid provision with
 commercial terms.
 Defines otherwise supplications following the rules as the contract of the invalid provision in the contracting parties shall replace the invalid provision with rule contract the governing plane of the contract and these terms and continues following the rules as the contract and these terms and continues following the rules as the contract the governing the rule shall be governed by the laws of the People's Republic of China.
 If UVR Releated in question is legally registered and existing in the People's Republic of China.
 If UVR Releated in the contract, and these terms and conditions shall be governed by the laws of the People's Republic of China.
 If UVR Releated in the contract, and these terms and conditions of the second and the second and conditions of the second and these terms and conditions of the second and these terms and conditions of the second and the second and conditions of the second and the second and conditions of the second and these terms and conditions of the second and the second and conditions of the second and these terms and conditions of the second and the second and conditions of the second and the second and conditions and the second and conditions and the second and conditions of the second and the second and conditions of the second and the second and conditions of the second and the second and conditions and the second and the second and conditions and the second and the 19.3
- a) b)
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