

Test Report No.:

178139361a 001

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Client:

China Etech Groups Ltd

16/F, Block C, 2nd Phase of Central Avenue, Haihong Industrial Area, Xixiang Road,

Baoan District, Shenzhen, China

Contact Person: Haixin Chen

Sample Description As Declared:

No. Of Sample

100 Pcs

Product Description

KN95 respirator Mask FFP2

Colour

: White

Lot No./Batch code

2020/04/09 P:29002

Sales Destination(country)

: Europe

Manufacturer

CTT Co., Ltd

Manufacturer Address

Building 2 of Industrial park NO 197 XinHua Blvd, Tongqiao Town, ZhongKai High-

tech Zone, HuiZhou Guangdong China

Classification

: FFP2 NR

Sample obtaining method:

Sending by customer

Sample Receiving date:

2020-04-13

Delivery condition:

Apparent good. Samples tested as received

Test Period:

2020-04-13 to 2020-04-28

Test specification:

Test result:

Particulate respirator-half facepiece

EN 149:2001 + A1:2009 Respiratory protective devices - Filtering half masks

Please refer to result page

to protect against particles - Requirements, testing, marking^

For and on behalf of

TÜV Rheinland / CCIC (Qingdao) Co.,

2020-04-28

Alex Zhou / Senior Manager

Date

Name/Position

Test result is drawn according to the kind and extent of tests performed.

This test report relates to the a.m. 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.



Material list

Material	Color	Location
Textile	White	White folding mask

Note:

	Shading shows the clauses requested
NRq	The clauses were not requested.
Pass	Requirement satisfied.
Ltd	Testing requested was insufficient completely to verify compliance with the clause. Refer to the "result details section for more information.
Fail	Requirement not satisfied. Refer to the "result details section for more information.
NAs	Assessment not carried out.
NAp	Requirement not applicable.
NT	Requested but not tested due to early termination following failure.

Result:

EN 149:2001+A1:2009 Respiratory protective devices—Filtering half masks to protect against particles—Requirement, testing, marking.

7.4 Package[^]

PASS1

Particle filtering half masks shall be offered for sale packaged in such a way that they are protected against mechanical damage and contamination before use. Note 1: In accordance with the requirement.

7.5 Material^

PASS²

Materials used shall be suitable to withstand handling and wear over the period for which the particle filtering half mask is designed to be used.

Any material from the filter media released by the air flow through the filter shall not constitute a hazard or nuisance for the wearer.

After undergoing the conditioning described in 8.3.1 none of the particle filtering half masks shall have suffered mechanical failure of the facepiece or straps.

When conditioned in accordance with 8.3.1 and 8.3.2 the particle filtering half mask shall not collapse.

Note 3: In accordance with the requirement.

Specimens -52,-53,-54 were conditioned in accordance with 8.3.1, none of the specimens conditioned suffered mechanical failure or collapse.

Specimens -12,-13,-14 were conditioned in accordance with 8.3.2, none of the specimens conditioned suffered collapse.

7.6 Cleaning and disinfection[^]

NAp³

If the particle filtering half mask is designed to be re-usable, the materials used shall withstand the cleaning and disinfecting agents and procedures to be specified by the manufacturer.

Note 3: Single shift use only.



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7.7 Practical performance^

PASS⁴

The particle filtering half mask shall undergo practical performance tests under realistic conditions

Note 5: No imperfections.

Specimen and subject details:

Specimen Specimen	Subject
-28	TJ
-29	ZMM

7.8 Finish of parts^

Parts of the device likely to come into contact with the wearer shall have no sharp edges or burrs

Note 5: None of the specimens used in limited laboratory testing undertaken showed the evidence of sharp edges or burrs.

7.9.1 Total inward leakage^

PASS⁶

PASS⁵

For particle filtering half masks fitted in accordance with the manufacturer's information, at least 46 out of the 50 individual exercise results (i.e. 10 subjects x 5 exercises) for total inward leakage shall be not greater than: 25% for FFP1, 11% for FFP2, 5% for FFP3.

And, in addition, at least 8 out of the 10 individual wearer arithmetic means for the total inward leakage shall be not greater than: 22% for FFP1, 8% for FFP2, 2% for FFP3.

Note 6: All 50 individual exercise results were not greater than 11%, all 10 individual exercise results were not greater than 8%, detailed data are showed below.

Table 7.9.1-A Inward leakage test data

Test specification: FN149-2001 Clause 8.5

Subject	Sample	9-2001 Claus Condition	Walk(%)	Head	Head	Talk(%)	Walk(%)	Mean(%)
Cabjeet	No.	Condition	770(70)	Side/side(%)	Up/down(%)			
JLX	-01	A.R.	4.7	6.6	4.6	4.9	2.3	4.6
TS	-02	A.R.	1.6	5.0	3.5	3.7	1.9	3.1
ZMM	-03	A.R.	3.0	8.2	4.4	5.8	4.3	5.2
NXL	-04	A.R.	2.7	7.4	5.2	4.0	3.9	4.6
TJ	-05	A.R.	2.1	5.9	4.2	4.4	4.2	4.2
WCS	-06	T.C.	1.8	5.5	4.5	2.9	2.8	3.5
SM	-07	T.C.	2.2	6.3	5.2	3.4	3.3	4.1
LZM	-08	T.C.	6.8	9.6	5.2	3.6	5.1	6.1
LCF	-09	T.C.	4.9	8.8	9.7	10.3	5.4	7.8
YZF	-10	T.C.	1.8	5.3	3.7	4.0	3.8	3.7
Maximum	permitted				11			8



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Table 7.9.1-B Facial dimension

Subject	Face	Face	Face	Mouth
Subject	length(mm)	width(mm)	Depth(mm)	Width(mm)
ZMM	114	157	119	50
WCS	109	136	105	56
YZF	113	151	106	48
TS	97	146	102	51
TJ	105	151	110	52
SM	116	144	109	49
LCF	119	165	121	56
JLX	119	152	109	59
NXL	113	147	108	53
LZM	118	157	124	44

7.9.2 Penetration of filter material[^]

PASS

The penetration of the filter of the particle filtering half mask shall meet the requirements of below:

Classification	Sodium chloride test 95 l/min	Paraffin oil test 95 I/min
FFP 1	≤ 20%	≤ 20%
FFP 2	≤ 6%	≤ 6%
FFP 3	≤ 1%	≤ 1%





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Table 7.9.2- Penetration of filter material

Test specification: EN149-2001 Clause 8.11

Test specification: EN149-2001 Clause 8.11						
	On a state of	Sample	Penetra	ation (%)	A	
Aerosol	Condition	No.	After 3 minutes	Max. during exposure	Assessment	
		-33	1.17			
	As received	-34	0.79			
		-35	0.97			
Sodium		-18	1.74			
chloride	Simulated wearing treatment	-19	0.98			
test	ueaunent	-20	1.56			
	Mechanical strength	-24	4.35	4.35		
	+ Temperature conditioned	-25	0.91	0.97		
		-26	1.47	2.01		
		-36	3.86			
	As received	-37	4.21		PASS	
		-38	3.07			
		-21	3.22			
Paraffin oil test	Simulated wearing treatment	-22	3.86			
1031	u odunom	-23	2.94			
	Mechanical strength	-39	2.68	3.30		
	+ Temperature	-40	3.21	5.28		
	conditioned		2.25	3.08	1	
Maximum p	ermitted		6			
Flow conditioning: Single filter: 95.0 L/min						



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7.10 Compatibility with skin^

PASS 7

Materials that may come into contact with the wearer's skin shall not be known to be likely to cause irritation or any other adverse effect to health.

Note 7: Specimens from -42 to -46(A.R.) and from -72 to -76(T.C.) were tested, no irritation or any other adverse effect to health.

7.11 Flammability^

PASS

When tested, the particle filtering half mask shall not burn or not to continue to burn for more than 5 s after removal from the flame.

Table 7.11- Flammability

Test specification: EN149-2001 Clause 8.6

Condition Condition	Sample No.	Result	Assessment
A i d	-55	Burn for 0.6 s	
As received	-56	Burn for 0.4 s	PASS
Temperature	-87	Burn for 0.3 s	PASS
conditioned	-88	Burn for 0.5 s	

7.12 Carbon dioxide content of the inhalation air^

PASS

The carbon dioxide content of the inhalation air (dead space) shall not exceed an average of 1,0 % (by volume).

Table 7.12- Carbon dioxide content of the inhalation air

Test specification: EN149-2001 Clause 8.7

Condition	Sample No.	Result	Assessment
	-57	0.38%	
As received	-58	0.35%	PASS
	-59	0.37%	PASS
Maximum permitted		1.0%	

7.13 Head harness^

PASS⁸

The head harness shall be designed so that the particle filtering half mask can be donned and removed easily.

The head harness shall be adjustable or self-adjusting and shall be sufficiently robust to hold the particle filtering half mask firmly in position and be capable of maintaining total inward leakage requirements for the device.

Note 8: Specimens from -60 to -64(A.R.) and from -78 to -82(T.C.) were tested. Head harness can be donned and removed easily, adjustable or self-adjusting and have sufficiently robust to hold the face mask firmly, the product satisfied the total inward leakage requirement. See 7.9.1 for results.

7.14 Field of vision^

PASS 9

The field of vision is acceptable if determined so in practical performance tests. Note 9: Specimens from -47 and -48(A.R.) were tested. Pass the practical performance tests and no adverse comments.

7.15 Exhalation valve^

NAp

A particle filtering half mask may have one or more exhalation valve(s), which shall function correctly in all orientations.

If an exhalation valve is provided it shall be protected against or be resistant to dirt and mechanical damage and may be shrouded or may include any other device that may be necessary for the particle filtering half mask to comply with 7.9.

Exhalation valve(s), if fitted, shall continue to operate correctly after a continuous exhalation flow of 300 1/min over a period of 30 s.

When the exhalation valve housing is attached to the faceblank, it shall withstand axially a tensile force of 10 N applied for 10 s.

7.16 Breathing resistance^

PASS 10

	Maximum permitted resistance (mbar)				
Classification	inhalation 30 l/min 95 l/min		exhalation		
			160 l/min or (25 cycles/min x 2.0 l/stroke)		
FFP1	0,6	2,1	3,0		
FFP2	0,7	2,4	3,0		
FFP3	1,0	3,0	3,0		

Note 10: FFP2 Filtering face mask. Test result are shown in below Table.



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Table 7.16 Breathing resistance (mbar)

Test specification: EN149-2001 Clause 8.9

			Inhalation resistance(mbar)		Exhalation resistance(mbar)				
Specimen	nen Condition	A1 00 1/	A4.05.1/:-	Breathing machine(25 cycles/min x 2.0 l/stroke)					
		At 30 I/min	At 95 I/min	Α	В	С	D	E	
-30		0.22	0.84	1.90	1.83	1.81	1.81	1.87	
-31	A.R.	0.20	0.81	1.86	1.79	1.77	1.75	1.81	
-32		0.24	0.87	1.76	1.74	1.72	1.71	1.74	
-15		0.20	0.72	1.64	1.58	1.55	1.51	1.61	
-16	T.C.	0.20	0.74	1.72	1.68	1.65	1.71	1.65	
-17		0.19	0.71	1.74	1.71	1.68	1.65	1.69	
49		0.24	0.81	1.86	1.79	1.79	1.76	1.77	
-50	S.W.	0.25	0.87	1.89	1.92	1.84	1.81	1.85	
-51		0.23	0.81	1.81	1.74	1.80	1.72	1.79	
	A.R. + F.C.								
	T.C. + F.C.								
Maximun	n permitted	0.7	2.4			3.0	Target St. Committee		

A: facing directly ahead; B: facing vertically upwards; C: facing vertically downwards; D: lying on the left side; E: lying on the right side.

7.17 Clogging[^]

7.17.2 Breathing resistance

Valved particle filtering half masks:

After clogging, the inhalation resistances shall not exceed:

FFP1: 4 mbar, FFP2: 5 mbar, FFP3: 7 mbar at 95 l/min continuous flow.

The exhalation resistance shall not exceed 3 mbar at 160 l/min continuous flow.

Valveless particle filtering half masks:

After clogging the inhalation and exhalation resistances shall not exceed:

FFP1: 3 mbar, FFP2: 4 mbar, FFP3: 5 mbar at 95 l/min continuous flow.

7.17.3 Penetration of filter material

Classification	Sodium chloride test 95 l/min	Paraffin oil test 95 I/min
FFP 1	≤ 20%	≤ 20%
FFP 2	≤ 6%	≪ 6%
FFP 3	≤ 1%	≤ 1%

Note 11: Single shift use only.

7.18 Demountable parts^

All demountable parts (if fitted) shall be readily connected and secured, where possible by hand.

Note 12: No demountable parts were used.

NAp 12

NR_q ¹¹



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NRq

9 Marking^

9.1 Packaging

The following information shall be clearly and durably marked on the smallest commercially available packaging or legible through it if the packaging is transparent.

- **9.1.1** The name, trademark or other means of identification of the manufacturer or supplier.
- 9.1.2 Type-identifying marking.

9.1.3 Classification

The appropriate class (FFP1, FFP2 or FFP3) followed by a single space and then: "NR" if the particle filtering half mask is limited to single shift use only. Example: FFP3 NR, or "R" if the particle filtering half mask is re-usable. Example: FFP2 R D.

- 9.1.4 The number and year of publication of this European Standard.
- **9.1.5** At least the year of end of shelf life. The end of shelf life may be informed by a pictogram as shown in Figure 12a, where yyyy/mm indicates the year and month.
- **9.1.6** The sentence 'see information supplied by the manufacturer', at least in the official language(s) of the country of destination, or by using the pictogram as shown in Figure 12b.
- **9.1.7** The manufacturer's recommended conditions of storage (at least the temperature and humidity) or equivalent pictogram, as shown in Figures 12c and 12d.
- **9.1.8** The packaging of those particle filtering half masks passing the dolomite clogging test shall be additionally marked with the letter "D". ID This letter shall follow the classification marking preceded by a single space.

9.2 Particle filtering half mask[^]

Particle filtering half masks complying with this European Standard shall be clearly and durably marked with the following:

- **9.2.1** The name, trademark or other means of identification of the manufacturer or supplier.
- **9.2.2** Type-identifying marking.
- 9.2.3 The number and year of publication of this European Standard.

9.2.4 Classification

The appropriate class (FFP1, FFP2 or FFP3) followed by a single space and then: "NR" if the particle filtering half mask is limited to single shift use only. Example: FFP3 NR, or "R" if the particle filtering half mask is re-usable. Example: FFP2 R D.

- **9.2.5** If appropriate the letter D (dolomite) in accordance with clogging performance. This letter shall follow the classification marking preceded by a single space.
- **9.2.6** Sub-assemblies and components with considerable bearing on safety shall be marked so that they can be identified.

Tel.:



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Information to be supplied by the manufacturer^ NRa 10 Information supplied by the manufacturer shall accompany every smallest 10.1 commercial available package. Information supplied by the manufacturer shall be at least in the official language(s) 10.2 of the country of destination. 10.3 The information supplied by the manufacturer shall contain all information necessary for trained and qualified persons on application/limitations; the meaning of any colour coding; checks prior to use; donning fitting; use; maintenance(e.g. cleaning, disinfecting), if applicable; storage; the meaning of any symbols/pictograms used of the equipment. 10.4 The information shall be clear and comprehensible. If helpful, illustrations, part numbers, marking shall be added. Warning shall be given against problems likely to be encountered, for example: 10.5 fit of particle filtering half mask (check prior to use);

- it is unlikely that the requirements for leakage will be achieved if facial hair passes under the face seal;
- air quality (contaminants, oxygen deficiency);
- use of equipment in explosive atmosphere.
- 10.6 The information shall provide recommendations as to when the particle filtering half mask shall be discarded.
- 10.7 For devices marked "NR", a warning shall be given that the particle filtering half mask shall not be used for more than one shift.

Remark: "^" indicates that the test is sub-contracted to the lab China Academy of Safey Science and Technology which complies with the requirement of ISO/IEC 17025:2017, the registration No. CNAS L0118.

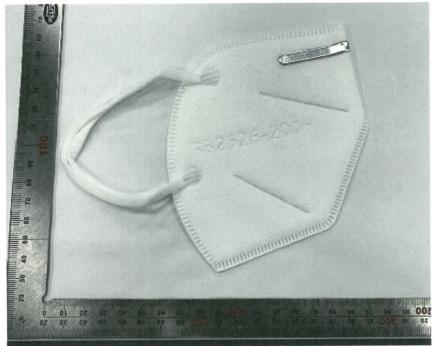




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Photo:





- END -

Scope
There Grantal Terms and Conditions of Business of TUV Rhainland in Greater China virt(CP) is made between the client and one or more member estition of TUV Rhainland for interactions and proceedings of the CPU Rhainland Grantal Control Cont

Quotations

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 contract shall be coming effect for the agreed terms upon the quoteion letter of TOV Rheinland or a separate contractual document being signed by both contracting parties, or upon the works requested by the lettle being entired on by TOV.
Rheinland if the client instructs TOV Rheinland without receiving a quotation from TOV Rheinland optioned, in the shell describent, entitled to the contract term some problems of the contract term state upon the coming into effect of the contract the contract term shall be entitled by the contract term of the contract term will be extended by the term provided for in the contract unless terminated in writing by other party with a servent notice prot to the end of the contractation of the contract term. 3.1

3.3

Scope of services

The scope and type of the services to be provided by TOV Rheinland shall be specified in the contractually agreed service scope of TOV Rheinland by both parties. If no such separate service scope of TOV Rheinland exists, then the written confirmation of order by TOV Rheinland shall be decisive for the service to be 4.1

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patter. If no such separate service scope of 10 V. Kohenland exists, then the written confirmation of order by TOV Rhinishand shall be decisive for the service to be confirmation of order by TOV Rhinishand shall be decisive for the service to the The agreed services shall be performed in compliance with the regulations in force at the time the contract is entered into. TOV Rhinishand is entitled to determine, in its note discretion, the method and nature require a specific procedure to the followed.

On execution of the work there shall be no imitateneous assumption of any guarantee of the contractes a report quality) and working order of either tested or examined petrs nor of the installation as a whole and its uptream analyte examined petrs nor of the installation is asked in sufficient performance of the installation is asked in particular, TOV Rhinishand shall assume no responsibility for the construction, selection of materials and assembly of installations examined, nor for their use and application; to accordance with regulations, unless these questions are expressly covered by the orderirest.

contact.

In the case of impection work, TUV Rheinland shall not be responsible for the accuracy or checking of the safety programmes or safety regulations on which it impections are based, unless otherwise expressly greeful in writing admitted by the productions and standard or official requirements for the agreed ser scope change after conclusion of the contract, with a written notice to the client. TUV Rheinland shall be entitled to additional returnerstation for resulting addition.

expenses:

revices to be provided by TDV Rheinland under the contrast are agreed exclusively
with the client. A contract of third parties with the services of TDV Rheinland, as
well as making available of and justifying confidence in the work results
persont, star results, expert person, etc.) is no plant of the agreed services. This also
applies if the client passes on work results - in full or in extracts - to third parties in
accordance with clause 11.4.

The contractually agreed periods/dates of performance are based on estimates o work involved which are prepared in line with the details provided by the client They shall only be binding if being confirmed as binding by TÜV Rheinland in 5.1

They small you writing.

If binding periods of performance have been agreed, these periods shall not commence until the client has submitted all required documents to TÜV Rheinland

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The client's obligation to cooperate

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 6.2

a) it has required statutory qualifications;

b) the product, service or management system to be certified complies wit applicable laws and regulations; and

It doesn't have any illegal and dishonest behaviours or is not included in the list of Enterprises with Serious Blegal and Dishonest Acts of People's Republic of China.

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, where a fixed or maximum price is agreed, TUV Rheinland shall be entitled to charge exist need for such additional expense.

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 is of TUV Nehriland valid at the time of performance. Unless otherwise agreed, work shall be invoiced according to the progress of the

7.2

work.

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 or equivalent value in local currency, TUV Rheinland may demand payments on account or in instalments. 7.3

8.1

Payment terms
All invoice amounts shall be due for payment without deduction on receipt of the invoice. No discounts not robust shall be granted.

All invoice amounts that love the state of the property of the invoice in No discounts not robust and the practice.

Payments shall be made to the beak recount of TUV Rheinfands at indicated on the invoice and client numbers. In cases of default of payment, TUV Rheinfand shall be entitled to claim default interest at the applicable short term loan interest rate publicly amounted by a state of the property of the invoice despite being granted as term, TUV Rheinfand reserves the right to claim therefor damages.

Should the client default in payment of the invoice despite being granted a reasonable gaves profit of TUV Rheinfand shall be entitled to encet the contract extends of the property of 8.3

the citeral's assets or cases in which the commencement of imolvency proceedings has been dismissed due to lack of assets. Objections to the invoices of TOV Sheinsland shall be submitted in writing within two works of receipt of the imolescent properties. The proceedings of the

Only legally established and undisputed claims may be offset against claims by TOV Rheinland.

Acceptance of work

9.1

9.4lf ac

Acceptance of work

Any part of the work result ordered which is complete in itself may be presented by

TUV Reheland for exceptance as an instalment. The client shall be obliged

to accept it immediately.

TUV Reheland for exceptance as an instalment. The client shall be obliged

to accept it immediately.

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work, unless the client refuses acceptance within this period stating at least one
fundamental breach of contract by TUV Sheinland.

Allenia is not entitled to refuse acceptance due to insignificant breach of contract by

TUV Sheinland, client is not entitled to refuse acceptance within this price of activate by

TUV Sheinland, the completion of the work period of for within the scope of a

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considerably lower damage than the above lump sum.

The state of the

Reinhead has incurred no damage whatever or only a considerably lower demagetion and the above mentioned lump num.

10. Confidentiality

10. For the purpose of these terms and conditions, "confidential information" means all information of these terms and conditions, "confidential information of these terms and conditions," confidential information can be during perty the "disclosing party") hand one; transfer or otherwise discloses to the other party the "disclosing party") hand the confidential information useful during performance of work party. The short confidential information useful during performance of work party has done, transfer or otherwise discloses to the other party the "disclosing party") hand one; transfer or otherwise discloses to the other party the "disclosing party" hand the confidential information useful during performance of work party of the data and tender of the confidential information confidential information party on the data and tender of the confidential information confidential information information confidential information information confidential information information confidential information information with the provision of services and analyzing the provision of services of developing new services, improving services and analyzing the provision of services, and analyzing the provision of services and analyzing the provision of services and analyzing the provision of services and analyzing the services and analyzing th

the services required for the contract. The receiving party undertaken to obligh these employees to observe the same level of secrety as set from his condimentally employees to the service the same level of secrety as set from his condimentally laferoments of the secretive party can furnish proof that:

Information or the confidentially clause by the receiving party, or disclosure of the become general knowledge without violation of this confidentiality clause by the receiving party or the receiving party as the party cuttled to disclosure that the secretive party as the party cuttled to disclosure that formation or the receiving party selectly possessed this information prior to disclosure by the disclosing party; and the secretive party selectly provide the secretive party selectly of the secretive party the selection of the receiving party selectly of the selective of the secretive party selectly of the selective of the secretive party selectly against the selective of the selective of the selective party selective of the selective of the selective party selective party selective of the selective of the selective of the selective party selective party selective of the selective of the selection of the selective of the selective party selective party selective party selective insulated (i) returned to disclosure party. The receiving party selective party selective party selective party selective insulated (i) returned to selective of the sele

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reports/opinion, test reports/results, results, calculations, presentations expresented by TOV Rehindra durines of the remaining the reports of the reports of the reports of the reports of the remaining the remaining the reports of the report of the remaining t 11.2

presentations etc. prepared within the scope of the contract for the contractually agreed purpose.

after of right of use of the generated work results regulated in clause 11.2, of the CTGS is subject to full payment of the removariation agreed in frevau of TDV Rheinland, army use work results only complete and unabortened. The client any only pass on the contract of the contract of the contract of the partial passing with writine consent of the partial passing with writine consent of the partial passing with results of the work results by one of the partial passing work results by one of the partial passing used to the partial passing contract of the work results by one of the partial passing purposes or any further use of the work results by one of the prior written approved of TUV Rheinland in each individual case. The client is obligated to a conceptual proprior according to clause 11.5 sets up to the contract of the work results in the client is obligated to a contract of the work results in the client is obligated to a contract of the work results in the client is obligated to a contract of the work results in the client is obligated to a contract of the work results in the client is obligated to a contract of the work results in most client in the client is obligated to a contract of the work results in the client is obligated to a contract of the work results in most client in the client is obligated to a contract of the work results in contract on the client is obligated to a contract of the work results in most client in the client is obligated to a contract of the work results in the client is obligated to a contract of the work results in the client is obligated to a contract of the work results in the client is obligated to a contract of the work results in the client is obligated to a contract of the work results in the client is obligated to a contract of the work results in the client is obligated to a contract of the work results and the contract of the work results in the contract of the work

work results immediately at me own expense and, as are a possione, to windows
publications.

ent of TUV 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 TUV Rheinland.

Liability of TÜV Rheini

Liability of TÜV Rhefnland (with the present of the present of the present of a breach of contractual obligations or tort, the liability of TÜV Rheinland for all other of contractual obligations or tort, the liability of TÜV Rheinland is legal representatives and or employees shall be limited to: (i) in the case of a contract with a fixed overall few. there there show even life for the entire context; (ii) in the case of a contract with a fixed overall few. there there show even life for the entire context; (ii) in the case of a contract for armsally recurring services, the agreed annual fee, (iii) in the case of a contract for armsally recurring services, the agreed annual fee, (iii) in the case to a contract for armsally recurring services, the agreed annual fee, (iii) in the case to a contract for a meaning the contractive, agreement that provides for the possibility of placing individual octers, there items of the fee for the individual orders when which the damages or losses have occurred Notwithstanding the above in the event that the total and accumulated liability calculated according to be freeging proprisen exceeded 2.5 Million Envo or

equivalent amount in local currency, the total and accumulated liability of TUV Rhindrad shall be only limited to and shall not exceed the said 2.5 Million Euro or equivalent amount in local currency.

The limitation of liability according to article 12.1 shows shall not apply to damages and/or losas caused by malice, intent or gross negligence on the part of TUV Rhindrad or its Vetarious agents. Such limitation shall not apply to damages for a locase involving a fundamental breach or context. TUV Reindrad will be laisled even where minor negligence is involved. For this purpose, a "fundamental breach" in breach of a material contractual obligation, the performance of which permits the day performance of the contract. Any claim for damages for a fundamental breach contract shall be limited to the amount of damages read a fundamental breach for contract. Turn the damage of the contract is the limited to the amount of damages read a fundamental breach for contract shall be limited to the amount of damages read a fundamental breach for contract shall be limited to the amount of damages readously forecast may be sufficient to the sum of damages readously forecast on a possible damages), unless any of the circumstances described in article 12.2 applies.

forescended damages), unions any of the curcumstances describes on nature 1.2.2

"Distributed handles has been fasted been seen for the personal made available by
the client to support TOV Rheinland in the performance of its services under the
contract, unless such personnel made available is regarded as visicious agent of
TOV Rheinland. If TOV Rheinland is not labele for the sets of the personnel made
swinkled by the client under the foregoing provision, the client shall indeeming! You
with such personnels's set,
therefore the contraction of the personnels's act,
therefore the contraction of the personnels's act,
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12.5Unles

S. Export Control
S. When passing on the services provided by TUV Rheinland or parts thereof to third parties in Greater Chian or other regions, the citent must comply with the respectively specified be regulationed. Institute a subject to the provise but there are no obsteties to performance of a contract with the citent is subject to the provise but there are no obsteties to performance for to anticident citentarismal foreign truthe legislations or emberges maker sentitions. In the event of a violation. TUV Rheinland shall be emitted to terminate the contract with immediate client and the citent shall contract with the contract of the contract

Date protection motices industrutionary to X Alemanus.

Date protection motices personal data of the client for the purpose of fulfilling this contract, in addition, TUV Rhinitand salso processes the data for other this processes. The purpose of the purpose of

15.1The risk and costs for freight and transport of documents or test material to and from TOV Rheinland as well as the costs of necessary disposal measures shall be borne by the

15.1The risk and costs for freegages now sources.

Reinfallands as well as the costs of necessary disposal measures athat to work.

Reinfallands as well as the costs of necessary disposal measures athat to work.

15.2Any sentropes and otherwise workthea test material will be disposed of by TOV. Rheinfand 15.3Undamaged test material shall be stored by TOV Rheinfand for four of a week after complete of the test. If a longer storage period is desired, TOV Rheinfand charges en appropriate storage fee.

an appropriate storage fee.

completion of the test. It a tonger storage years an expropriate storage fee.

an appropriate storage fee.

15.4After the expiry of the 4 weeks or any longer period agreed upon, the test material will be disposed of by TÜV Rheinland for the client for a fee in accordance with clause 15.2.

16. Termination of the contract

16. Termination of the contract

16. Notwithstanding clause 3.5 of the OTCB, TOV Rheinland and the client we entitled to terminate the contract in its entirety or, in the case of services combined in one contract, each of the combined parts of the contract individually and independently of the continuation of the remaining services with six (9) months notice to the end of the continuation of the remaining services with six (9) months notice to the result of the continuation of the remaining services with six (9) months notice to the result of the continuation of the continuation of the remaining services with six (9) months notice to the result of the continuation of the remaining services with six (9) and the client to terminate the contract which includes but not limited to the following:

a) the client does not immediately notify TOV Rheinland on rigin of such changes:

b) the client misses the certificate or excittination and runs is in violation of the forester, of the client occurs and as a result that the power claims of TOV. Rheinland cannot contract are considered and TOV Rheinland cannot reasonably be expected to continue the remaining with with visit notices. TOV

endangered and TUV Rhemiand cannot reasonably be expected to continue the contractual relationship contracts and the property of the contractual relationship contracts and relationship contracts and the property of the contract that the contract term as lump-sum continues of a client contract term as lump-sum compensation. The client reserves the right to prove that there is no demage or a compensation to be paid until the end of the fixed contract term as lump-sum compensation. The client reserves the right to prove the tractic is no demage or a considerably higher damage in individual cases.

"Individual cases are considerably higher damage in individual cases." The contract with written noting individual cases in the contract term of the right to prove a considerably higher damage in individual cases.

"Individual cases are contracted to the contract with written noting for the clients has no been able to make use of the time windows for studing far-rice provision provides by TUV Rheinaland within the scope of a certification provides and the certificate and the certification and the certification and the certificate and the certification and the certification and the certification and the c

17. Partial invalidity, written form, place of jurisdiction and dispute res

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 membrane and supplements to the sclean: IT.

Should one or several of the provisions under the contract and/or these terms and conditions be not become inefficiety, the contextuing parties shall replace the invalid provision in legal and commercial terms.

Unless otherwise subjusted in the context, the powering law of the context of the Unless otherwise subjusted in the context, the powering law of the context and these terms and conditions shall be chosen following the rules as below:

IT OV Bhariland in question is legall varieties and conditions that the context of the resolution of the r 17.2

17.4

in Setjing, Sunupus, science, and in duestion being legally registered and existing in the case of TrUX Rheinland in question being legally registered and existing in Tawan, to Chinese Arbitration Association Tajpei Branch to be arbitrated in accordance with its then current Rules of Arbitration. The arbitration shall take place

secondance with its then current Kutten or Arthurance.

In Taipei. In Taipei. In Taipei. In Taipei. In Taipei. In Taipei. In the case graph graphered and reciting in 160gg (50gg, 16) the case of the Arthurance Control of the Control of Arbitration is submitted in Section (16) the Control of Arbitration is submitted in secondance with these rules. The arbitration shall take

Arbitration is submitted in accordance with these rules. The arbitration shall take place in Hong Kong.

ion of the relevant arbitration tribunal shall be final and binding on both parties. The arbitration fee shall be borne by the losing party.