

Test report no.: 158286426a1 002 Page 1 of 9

Client: CANICA BUILDING MATERIALS LTD

Contact information: 23 Luk Hop Street, 21/F, #2101, Max Trade Centre, San Po Kong,

Kowloon, Hong Kong

Contact name: May

**Phone number:** +852-23268931

Manufacturer's name: Shantou Hua Hui Timber Co Ltd

Manufacturer ID: ENG flooring

Product name: Canica Engineered Wood Flooring

**Product category:** Indoor wood flooring **Product commercial part no.:** ENG OAK FLR

 Product item no.:
 ENG OAK 152

 Date manufactured:
 2024-03-05

 Date collected:
 2024-03-05

 Date shipped:
 2024-03-05

 Date received:
 2024-03-07

 Sample no.:
 A003670440

Condition at delivery: Test item complete and undamaged Place of testing: Chemical laboratory Hong Kong

Conditioning period start & duration: 2024-03-14, 10 days
Test period start & duration: 2024-04-05, 96 hours

Test specification: Test result:

CDPH/ EHLB/ Standard Method Version 1.2 – California Specification 01350 PASS

Other information:

Sample package: Sample packed with/ in Carton box, Aluminium, Foam

Sample preparation: 8 pieces of specimen of 1.10 m by 0.153 m were tested with back and

sides sealed by aluminum foil.

The report 158286426a1 002 supersedes report 158286426a1 001.

For and on behalf of TÜV Rheinland (Hong Kong) Ltd.

2024-04-11 Gary Choi / Project Executive
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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## **Material list**

Item:

Material No.	Material	Color	Location
M001	Whole product	Brown	Refer to Photo

## **Test method**

CDPH/ EHLB/ Standard Method Version 1.2 – California Specification 01350: Standard Method For the Testing and Evaluation of Volatile Organic Chemical Emissions From Indoor Sources Using Environmental Chambers

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ISO 16000-3:2011	Indoor air – Part 3: Determination of formaldehyde and other carbonyl compounds in indoor air and test chamber air – Active sampling method
ISO 16000-6:2011	Indoor air — Part 6: Determination of volatile organic compounds in indoor and test chamber air by active sampling on Tenax $TA^{\otimes}$ sorbent, thermal desorption and gas chromatography using MS/FID
ISO 16000-9:2006	Indoor air – Part 9: Determination of the emission of volatile organic compounds from building products and furnishing – Emission test chamber method
ASTM D 5116-10	Standard Guide for Small-Scale Environmental Chamber Determinations of Organic Emissions From Indoor Materials/ Products



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# **Conditions**

The sample was conditioned for 10 days in the same test chamber where the analysis was performed during 96h. The same conditions during conditioning and test were kept and are described in table 1.

Table 1. Chamber conditions during the 10 days conditioning and 96-h test period

Parameter	Symbol	Units	Value
Product exposed area	Ac	m <sup>2</sup>	0.34
Chamber Volume	Vc	m <sup>3</sup>	1.00
Loading factor	Lc	m <sup>2</sup> /m <sup>3</sup>	0.34
Air change rate	ac	h <sup>-1</sup>	1.00
Inlet flow rate	Q	m³/h	1.00
Area specific flow rate	<b>q</b> A	m/h	2.97
Temperature	Т	°C	23 ± 1
Relative humidity	RH	%	50 ± 5

VOC and aldehydes active sampling were performed in duplicate by pumping air through respective sorbent just before loading the chamber, then at 24h, 48h and 96 h after initiating the chamber test (without counting the previous 10 days conditioning). Sampling conditions are represented in table 2.

Table 2. Sampling conditions

Sampling conditions	VOC	Aldehydes (C <sub>1</sub> -C <sub>2</sub> )
Number of sampled tubes	2	2
Sorbent type	Tenax TA	DNPH
Sampling duration	54 min	100 min
Sampling air flow rate	75 mL/min	0.8 L/min
Sampled air volume	4.0 L	80L

The chemical analysis was performed following test methods ISO 16000-3 and ISO 16000-6 for the analysis of respectively aldehydes in DNPH cartridges by HPLC-UV and VOCs/TVOCs in Tenax tubes by TD-GC-MS.



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# **Test Result**

Table 3. 24-h and 48-h chamber concentrations and emission factors

Parameter	CAS no.	Chamber concentration (µg/m³)		Emission factor *1 (µg/m²h)	
		24h	48h	24h	48h
TVOC		14	10	41.59	29.71
Formaldehyde	50-00-00	n.d.	n.d.		

Table 4. 96-h chamber concentrations and emission factors of all target VOCs and most abundant – Only detected compounds have been listed

Compound Name	CAS No.	Chamber concentration (µg/m³)	Emission Factor *1 (µg/m²h)	Remark *2
Ethane, methoxy-	540-67-0	7	20.80	
TVOC		7	20.80	
Formaldehyde	50-00-0	n.d.		CREL / C / TAC
Acetaldehyde	75-07-0	n.d.		CREL / C / TAC

Table 5. Estimated concentrations for the different scenarios and evaluation of the requirements

Compound Name	CAS No.	Allowable concentration *3 (µg/m³)	Standard class room estimated concentration *1 (µg/m³)	Private office estimated concentration *1 (µg/m³)	Pass/Fail
Ethane, methoxy-	540-67-0		9.71	11.15	
TVOC	-		9.71	11.15	
Formaldehyde	50-00-0	9			Pass
Acetaldehyde	75-07-0	70			Pass

# Abbreviation:

VOC = Volatile Organic Compound

TVOC = Total Volatile Organic Compound

C = chamber concentration,  $\mu g/m^3$ 

 $A_c$  = exposed projected surface area,  $m^2$ 

 $V_c$  = chamber volume

 $L_c$  = Loading factor

Q = inlet flow rate, m<sup>3</sup>/h

 $q_A$  = area specific flow rate, m/h (m<sup>3</sup>/m<sup>2</sup>h)

n.d. = not detected (Detection limit for formaldehyde, acetaldehyde: 5 µg/m3, detection limit for other VOC: 1 µg/m3)

m<sup>2</sup> = square meter

m<sup>3</sup> = cubic meter

m<sup>2</sup>/m<sup>3</sup> = square meter per cubic meter

 $h^{-1}$  = per hour

m<sup>3</sup>/h = cubic meter per hour

L = liter

ml/min = mililiter per minute

L/min = Liter per minute

 $\mu g/m^3$  = micrograms per cubic meter

μg/m²h = micrograms per square meter per hour



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### Remark:

### \*1 Data Analysis Procedure

### **Emission Factors**

Emission factors were calculated from chamber concentrations then by using the emission factors the estimated building concentrations were calculated.

The emission factor,  $EF_{Ai}(\mu g/m^2h)$ , at a given time, t (h), after placing a test specimen in the chamber is calculated using Equation 1:

$$EF_{Ai} = (Q (C_{it} - C_{i0})) / A_C$$
 Equation 1

The inlet flow rate, Q (m³/h), is the measured flow rate of air into the chamber. The chamber concentration,  $C_{it}$  (µg/m³), is the concentration of a target VOC<sub>i</sub>, formaldehyde and other carbonyl compounds measured at time t. The chamber background concentration,  $C_{i0}$  (µg/m³), is the corresponding concentration measured with the chamber operating without a test specimen or with an appropriate substrate. The exposed projected surface area of the test specimen in the chamber,  $A_C$  (m2), is determined from the measurements made at the time of specimen preparation.

Volume, length, mass or unit specific emission rates or emission factors,  $EF_V$ ,  $EF_L$  or  $EF_M$  ( $\mu$ g/m³h,  $\mu$ g/mh,  $\mu$ g/kgh or  $\mu$ g/h per unit), can be calculated using Equation 1 by substituting the appropriate parameter used to quantify the material specimen (i.e., volume in cubic meters, length in meters, mass in kilograms or number of products tested).

### **Estimated Building Concentrations**

Building concentrations can be calculated on a case-by-case basis using input parameters for the amount of installed product, the size of the space and the air change rate (or air flow rate) that are specific to the architectural project under consideration. In order to evaluate and compare products for use in a wide range of building products, concentrations also can be calculated for selected building scenarios. Building concentrations are estimated based on the measured VOC emission factors, the amount of material to be installed in the building and flow rate of outside air used for ventilation. Steady state conditions with respect to emission rates and building ventilation shall be assumed in making the prediction. Additional assumptions are zero outdoor concentrations, perfect mixing within the building and no net losses of VOC from air due to other effects such as irreversible or net sorption on surfaces (i.e., net sink effects) and chemical reactions. The projected surface area of installed flooring and the building parameters to be used in the calculation of estimated VOC concentrations are established for a school classroom and an office have been described in table 6.

Table 6. The projected surface area of installed flooring and the building parameters to be used in the calculation of estimated VOC concentrations

Scenario	Outdoor ventilation air (m³/h)	Exposed flooring surface area (m²)	Area specific air flow rate (m/h)
Standard School Classroom	191	89.2	2.14
Private Office	20.7	11.1	1.86

The estimated building concentration,  $C_{Bi}$  (µg/m³), of a target VOC<sub>i</sub> is calculated using equation 2a or 2b. For products that have the area specific emission factor, EF<sub>A</sub> (µg/m²h), Equation 2a is used:

$$C_{Bi} = (EF_{Ai} \times A_B) / Q_B = EF_{Ai} / (Q_B / A_B) = EF_{Ai} / q_A$$
 Equation 2a

The area specific emission rate  $EF_A$  at 336 hours (14 days) total exposure time is divided by the area specific flow rate, qA (m/h). The area specific flow rate, qA, is calculated as the ratio of the flow rate of outside ventilation air,  $Q_B$  (m³/h), to the exposed surface area of the installed material in the building,  $A_B$  (m²).

For products that only have the unit specific emission factor,  $EF_P$  ( $\mu$ g/h per unit), Equation 2b is used:

$$CBi = (EFPi \times NB) / QB = EFPi / (QB / NB) = EFPi / qP$$
 Equation 2b

The unit specific emission rate  $EF_P$  at 336 hours (14 days) total exposure time is divided by the unit specific flow rate,  $q_P$  (m³/h per unit). The unit specific flow rate,  $q_P$ , is calculated as the ratio of the flow rate of outside ventilation air, QB (m3 h-1), to the number of the installed products in the building,  $N_B$ .

In some cases, it may be necessary to calculate the results using the volume, length or mass of a product to be installed in a building and the corresponding volume, length or mass specific emission rate.



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\*2 CREL – Chronic Reference Exposure Levels: this substance has a CREL value. Refer to <a href="http://www.oehha.ca.gov/air/allrels.html">http://www.oehha.ca.gov/air/allrels.html</a>.

C – Safe Drinking Water and Toxic Enforcement Act of 1986: classified as known or probable human carcinogens and reproductive/ developmental toxins.

Refer to <a href="http://www.oehha.ca.gov/prop65/prop65\_list/newlist.html">http://www.oehha.ca.gov/prop65/prop65\_list/newlist.html</a>.

TAC – Toxic Air Contaminants: classified as Hazardous Air Pollutants plus additional compounds. Refer to <a href="https://ww2.arb.ca.gov/resources/documents/carb-identified-toxic-air-contaminants">https://ww2.arb.ca.gov/resources/documents/carb-identified-toxic-air-contaminants</a>.

\*3 Refer to <a href="http://www.oehha.ca.gov/air/allrels.html">http://www.oehha.ca.gov/air/allrels.html</a>. All maximum allowable concentrations are one-half the corresponding CREL adopted by Cal/EPA OEHHA with the exception of formaldehyde.

## Conclusion

The indoor air quality emission criteria for the Floorscore / California Specification 01350 for the Canica Engineered Wood Flooring (Item no.: ENG OAK 152) have been met.



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# **Chain of Custody**

TUV Rheinland Hong Kong Ltd Member of TUV Rheinland Group in Greater China 育港德即報大技術驗護顧問股份有限公司 機關來放展開大中華高波員

TÜVRheinland®
Precisely Right.
Page 1 of 2

VOC EMISSION TESTING APPLICATION FORM AND CHAIN OF CUSTODY 揮發性及有機化合物釋放測試申請表

Internal use only / TÜV 莱茵内部使用 Order No: P01392842 / 巧を28 6 42 ん Reviewed by (date):

Please fill out one form per sample and return it to us. Thanks. 請為每份測試樣辦填寫一份申請表, 然後將填妥的申請表回傳到我可。謝謝。

# Please ship sample to/ 請把樣品寄送到:

3/F., Fou Wah Industrial Building, 10-16 Pun Shan Street, Tsuen Wan, Hong Kong (Sample Reception)/香港荃灣半山街 10-16 號寫華工業大廈 3 樓 (收辦部)

Please fill in by computer - send with sample, and per email/ 請使用電腦填寫 - 並連同樣品 及 透過電郵交回

Client/ 客戶	Report to be sent to/ 報告送到	Invoice to be sent to/ 發票送到	Copy of report to be sent to/ 報告副本送到		
Company/公司	Canica Building Materials Ltd	Same as on the left	Same as on the left		
Contact person/聯絡人	May				
E-mail/ 電子郵件	may@canica.com.hk				
Address/ 地址	23 Luk Hop Street, 21/F, #2101, Max Trade Centre, San Po Kong, Kowloon, Hong Kong				
Postcode/town/ 郵編/ 鎮	000000				
Country/ 國家	Hong Kong, China				
Telephone no./ 電話號碼	+852-23268931				
Fax no./ 傳真號碼	+852-23268923				
Your reference/ 您的參考	If there is any question, please call my HK mobile at 98198046 (May). Or your Guangzhou TUV office Mr Benny He at +86 18665618989.				

Tes	t Method(s) ordered:					
1.	AgBB/DIBt (full test, incl. aldehydes	s) 🗆	8.	8. LGA Tested Safety & Contamination:		
	Without aldehydes test after 28 days	s $\square$		VOC/	揮發性及有機化合物	
	AgBB/DIBt (only 7 days)			Forma	lldehyde/ 甲醛	
	Without aldehydes after 7 days			Odour	/ 氣味	
2.	French mandatory VOC label (inc regulated CMR)	luding 4	9.	Forma	aldehyde/ 甲醛 :	
3.	CDPH Section 01350			EN 71	7-1	
4.	FloorScore			ISO 16	6000-3 (DNPH)	
5.	ANSI/BIFMA M7.1-2011			ASTM	D6007	
6.	Indoor Advantage		10.	VOC e	emission/揮發性及有機化合物釋放	
7.	Indoor Advantage GOLD			ISO 16	6000-6,9	
				ASTM	5116	
Fui	ther information – Please fill in only	y if necessary				
Mic	d-scale □	Length of testing: 24h□ 72h □ 120h Other:	⊠ 336	6h □	Reporting of results: Emission Factors only □ Room concentrations modeling □	
	ner test/information:					
Re	port format:		Prin	nted 🗆	Printed & PDF ⊠	

TUV Rheinland Hong Kong Ltd 香港帶國家遊技符監護鄉門股份有果公司 SAMPLE PICK-UP SERVICE HOTLINE: +852 2192-1900 EMAIL: samplepickup@hk.chn.tuv.com 3, 4/F., Fou Wah Industrial Building, 10-16 Pun Shan Street, Tsuen Wan, Hong Kong 香港쏥票半山射 10-16 敬富修工类大度 3, 4 權 TEL: +852 2192 1000 FAX: +852 2192 1003 www.tuv.com Greater China Customer Service Hotline 大中華區李户單榜熱盛: +86 400-883 1300 / +86 800-999 3668 (Mainland China / 中頭內地) +852 2192-1022 (HK / 香港) +866 2 2528-7007 (TW / 台湾) Greater China Service Mailbox 大中華紙屋稿樂箱: service-agedbux.com



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# **Chain of Custody**

TUV Rheinland Hong Kong Ltd Member of TUV Rheinland Group in Greater China 香港德國萊因技術監護顧問股份存限公司 德國萊因集團大中華區成員

VOC EMISSION TESTING APPLICATION FORM AND CHAIN OF CUSTODY 揮發性及有機化合物釋放測試申請表

Please fill out one form per sample and return it to us. Thanks. 請為每份測試樣辦填寫一份申請表, 然後將填妥的申請表回傳到我司。謝謝。



Internal use only / TÜV 莱茵内部使用 Order No: P01392842 /158186416 Reviewed by (date):

Product Commercial Name:	Canica Engineered Wood Flooring	Product Commercial Part No.:	ENG OAK FLR
Product Dimensions: (height × width × thickness)	15mm (Thick) x 152mm (Width) x random length	Product item No.:	ENG OAK 152
Manufacturer Sample Tracking ID:	ENG flooring	Date Manufactured:	2024-03-05
Product Category and Use:	Indoor wood flooring	Sample Construction Material:	Oak and Plywood
Plant Name & Location:	Shantou Hua Hui Timber Co Ltd, Shantou, Guangdong Province, China	Collection Location in Plant:	Shantou Hua Hui Timber Co Ltd, Shantou, Guangdong Province, China
Date and Time of collection:	2024-03-05, AM11.00	Sample Collected by:	Ms Lin
Storage of Sample after Sampling:	Immediately pack and courier out.	Packing Material:	Each piece wrapped with aluminum foil and carton boxed.
Packed and Shipped by:	Shantou Hua Hui Timber Co Ltd, Shantou, Guangdong Province, China	Shipping Date:	2024-03-05
Carrier:	SF Express	Airbill Number:	SF1458749080461

	FOR LABORATO	ORY USE ONLY:	The state of the s
Received by:	Gary Choi	Received date:	07 Mar 2024
Conditions of package:	FINE	Conditions of Sample:	FINE
Received by:	Gary Cho:	Signature:	Garage
Company:	TÜV Rheinhand Hong Kong Ltd.	Laboratory:	Chemical Laboratory Hope Kong
Sample Number:	A003670440	Report Number:	158286426a1 001



機關策因關注環境並且施行紙張節省方案。其中一項努力是發勵我們客戶接受電子版報告並且即時起只會應客戶要求而須發紙質報告。任何疑問請隨時需聚我們,謹對您的大力 支持表示敬志! TUV Rheinland cares about our environment and implements a paper saving strategy. As part of it, we encourage our customers to accept electronic versions of reports and will, from now on, only send paper versions upon request. Please contact us for any concerns. We appreciate your support

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Sample photo(s)



- END -

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

### 1. Scope

- 1. These General Terms and Conditions of Business of TÜV Rheinland in Greater China ("GTCB") is made between the client and one or more member entities of TÜV Rheinland in Greater China as applicable is the case may be ("TÜV Rheinland"). The Greater China hereof refers to Mainland China, Hong Kong and Talwan. The client hereof includes:

  (a natural person capable to them legally binding contracts under the applicable laws who (is the incorporated or unincorporated entity duly organized, validly existing and capable to form legally binding contracts under the applicable laws.

  1. The following terms and conditions apply to agreed services including consustancy services, internation, Cheirveles and ordinal services and well as ancillarly services and other secondary international cheir services and services and services including consustancy services. Internation, Cheirveless and ordinals services are well as ancillarly services and other secondary between the contract event and conditions of the client of any nature shall not apply and shall hereby be expressly excluded. No standard contractual services and conditions of the client of any nature shall not apply be of the client shall from part of the contract event if TÜV Rheinland does not explicitly object to them.

  1. In the context of an ongoing business residuinshay whit the client, this GTCB shall also apply in each individual case.

Unless otherwise agreed, all quotations submitted by  $T\bar{U}V$  Rheinland can be changed by  $T\bar{U}V$  Rheinland without notice prior to its acceptance and confirmation by the other party.

### 3. Coming into effect and duration of contracts

- The contract shall come like effect for the agreed terms upon the quotation later of TUV. Hereinand or a separate contractual document being signed by both contracting parties, or upon the words requested by the client being carried out by TUV. Rehelland, If the client instruct TUV. Phelmiand without receiving a quotation from TUV. Rehelland cytostation, TUV. Rhellands, in its sole discretion, entitled to accept the order by giving written notice of such acceptance (including notice sent via electronic means) or by performing the requested to the companies of the contraction of the contrac
- Rheniand is, it is own critical finduling notice sent via electronic means) or by peruning uncongrance (including notice sent via electronic means) or by peruning uncongrance and a configuration of the contract term states upon the coming into effect of the contract.

  3.2 The contract term states 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 current will be extended by the term provided for in the contract unless terminated in writing by either party with a three-morth notice prior to the end of the contractual term.

- 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 such separate more compared to the service scope of TÜV Rheinland by both parties. If no such separate services provided to the service description (e.g., before the service description (e.g., before the service description (e.g., before the service description (e.g., before) the contractions and functionally of parts, products, processes, installations, organizations not listed in the service description as well as the intended use and application of any sold and the service description of an examined part, product, process or plant, unless this is expressly stated in the order. The agreed services shall be performed in compliance with the regulations in force at the time the contract is entired 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 On execution of the work there shall be no simultaneous assumption of any quarantee of the correctness (proper quality) and working order of either tested or examined parts nor of the installation as a whole and its upstream andord downstream processes, graphication in accordance with regulations, nor of the systems on which the installation and application in accordance with regulations, several see questions are expressly covered by the contract.

- is based. In particular. TUV Rheniand 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.

  When the property of the property of the contract of the property o

### 5. Performance periods/dates

- Performance periods/dates

  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 being confirmed as binding by TÜV Rheinland in writing.

  I hording periods of performance have been agreed, these periods shall not commence until a Hording periods of performance have been agreed, these periods shall not commence until a Articles 51 and 52 also apply, even without express approval by the client, to all extensions of agreed periods/dates of performance not assured by TÜV Rheinland.

  TÜV Rheinland is not responsible for a delay in performance, in particular if the client has not furtilisted his duties to cooperate in accordance with clause 51 or has not done so in time and, in particular, has not provided TÜV Rheinland with all documents and information required. If the performance of TÜV Rheinland is delayed the to unforesceable incurrentances such as force majeure, strikes, business disruptions, governmental regulations, transport obstacles, etc., "TÜV Rheinland, set tilled to postpore performance for a reasonable period of time which corresponds at least to the duration of the hindrance plus any time period which may be required to resume performance, page, afficially prescribed and to by the accredict of the performance of the semipale of the period of the semipale of the performance of th

### 6. The client's obligation to cooperate

- 8. The client's obligation to cooperation required on its part, its agents or third parties will be provided in good time and at no cost to TÜV Rheinland.

  15. 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.

  25. Shall be mouth a control of the company of 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:

  3) thes products, service or management system to be certified complies with applicable lews and o) it doesn't have any illegal and otheres the hair over a control of the cont

- 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 based on accordance with the price is 10 TÜV Rheinland valid at the time of performance. Unless otherwise agreed, work shall be invoiced according to the progress of the work. If the escuction of an order steader, our ermost than one month and the value of the contract in the extension of the contract of

### 8. Payment terms

- yment terms

  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. Phyments shall be made to the bank account of TUV Rheinland as indicated on the invoice, stainty the invoice and client numbers. In cases of default of payment, TVV Rheinland shall be entitled to claim disfault interest at the applicable short term loan interest rate publicly announced by a reputable commercial bank in the country where TUV Rheinland is located. At the same time, TVV Rheinland reserves the right to claim further damages.

  Should the claim datural in payment of the invoice daspite being granted at reasonable grace. Should the claim datural in payment of the invoice flow into the claim further damages. The provisions set of the made the countries of the contract, the provisions set of the native should be claimed to the countries. The provisions set of this native should be considered cheques, cossation 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 dissests.

  Objections to the invoices of TÜV Rheinland shall be submitted in writing within two weeks
- or cases in which the commencement of insolvency proceedings has been dismissed due to lack of assets.

  Objections to the invoices of TÜV Rheinland shall be submitted in writing within two weeks of throught of the invoice. The control of the process of the proc

8.10 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

- 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
- immediately. If acceptance is required or contractually agreed in an individual case, this shall be deemed 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 fundmental breach of contract by TUV Rheinland.
- 9.3 The client is not entitled to refuse acceptance due to insignificant breach of contract by TÜV
- The clemt is not entitled to reluse acceptance due to insignificant breach of contract by TÜV Rheinland.
  If acceptance is excluded according to the nature of the work performance of TÜV Rheinland.
  If acceptance is excluded according to the nature of the work performance of TÜV Rheinland.
  During the Follow-Audit stage, if the client was unable to make use of the firme windows provided for winth he scope of a certification procedure for auditing performance by TÜV audits), or if the client cancels or postpones a confirmed audit date within two [2] weeks before the agreed date. TÜV Rheinland is entitled to immediately change a lump-sum compensation of 19% of the order amount as compensation for expenses. 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 lump sum. Inscript as the client sus undertaken in the contract to accept services, TÜV Rheinland has in accept services are the client sus undertaken in the contract to accept services. TÜV Rheinland has incurred no damage whatsoever or only a considerably lower damage than the above mentioned lump sum.

### 10. Confidentiality

- Confidentially

  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 experience of the project producers, pricing and financial information, customer and supplied, transferred or otherwise disclosed by one Party filter disclosing party", in the other Party (the "receiving party", in writing or orally, in printed or electronic format. Confidential information is expressly not the data and know-how collected, compiled or otherwise of the provision of services for the provision of services by TUP Menhalmad, TUP Menhalmed is entitled to store, use, further develop and pass on the data obtained in connection with the provision of services for the provision of
- obtained by TUX Pheinland (non-personal and not) proprietary to the client within the scope of the provision of services by TVV Pheinland. (IV Pheinland is entitled to store, use, further purposes of developing new services, improving services and analysing the provision of services.)

  10.2 The disclosing party shall mark all confidential information disclosed in writers form as confidential before passing it onto the receiving party. The same applies to confidential party shall be appropriately informed in advance and the disclosing party shall aconfirm in writing the confidential party shall be appropriately informed in advance and the disclosing party shall confirm in writing the confidential party shall be appropriately informed in advance and the disclosing party shall confirm in writing the confidential party falls to do so within the siguisted period, the receiving party shall not take any confidential policy shall be provided to the confidential information to the confidential information and the store of the confidential information to the confidential information to the confidential information to TUX Pheinland, Instead, the client shall send any confidential information to TUX Pheinland, Instead, the client shall send any confidential information to TUX Pheinland, Instead, the client shall send any confidential information to the confidential information shalling it is a shall be company email. If the client suffers from any losses or damages due to any their to relaxing substance of the confidential information which the disclosing party transmits or otherwise discloses to the receiving party and which is created during performance of work by TUX Pheinland.

  3) any only be used by the receiving party for the purposes of performing the contract unless the party and which is created during performance of which by TUX Pheinland is required to pass on confidential information to perform the services and/or certified products, etc.) that are involved in the performance of the contract. In the party and w

- the contract, the receiving party shall maintain strict secreey of all confiderable information and shall not disclose this information to any third prizers or use in first disclose the information and shall not disclose the information to any third prizers or use in first shall not shall be a sh

- 12.1 Inseptiev of the legal basis, to the fullest extent permitted by applicable law, in the event of a breach of contractual deligations or tort, the liability of TUV Rheinland for all damages, losses and reimbursement of expenses caused by TUV Rheinland, its legal representatives and/or employees shall be limited to (ii) in the case of a contract with a flood overall fee, fries and/or employees shall be limited to (ii) in the case of a contract was recovered overall fee, three services, the agreed annual fee; (iii) in the case of a contract expressly charged on a time and material basis, a maximum of 2,000 Euro or equivalent amount in local currency, and (iv) in the case of a farework agreement that provides for the possibility of placing individual orders, three times of the fee for the individual order under which the damages or losses liability calculated according to the foregoing provisions exceeds 2.5 Million Euro or equivalent amount in Tube currency, the total and accumulated liability of TUV Rheinland shall be only limited to and shall not exceed the said 2.5 Million Euro or equivalent amount in bocal currency, the total and exercise the said 2.5 Million Euro or equivalent amount in Though the contract of the foregoing provisions exceeds 2.5 Million Euro or equivalent amount in Though the contract of the said of the foregoing provisions exceeds 2.5 Million Euro or equivalent amount in State of the said of the sa

- 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 in the provision of the control of 13. Control of the control

### 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 the prior consent of the data subject, which entitles TÜV Rheinland to access, use, or process the personal data that the client collected or processed by fiself and class. The personal data has to be desired to process the personal data has to be disclosed or transferred to any third party or any overseas party outside of the district in which the personal data was collected, the client also assist. If any personal data has to be disclosed or transferred to any third party or any overseas party outside of the district in which the personal data was collected, the client also control of the district in which the personal data was collected. The client also control of the district in which the personal data was collected. The client also district received that transfersion and optortect has data in conclusion with the privacy and personal data security related two and repulsions in China and the local country, TÜV herelinall will take measures to avoid any leakage, abuse, manipulation, damage or unauthorized access of personal data. The personal data will be deleted immediately as soon unauthorized access of personal data. The personal data will be deleted immediately as soon in the personal data will be deleted immediately as soon in the personal data will be deleted immediately as soon in the personal data will be deleted immediately as soon in the personal data and the personal data will be deleted immediately as soon in the personal data will be deleted immediately as soon in the data protected immediately as soon in the data protected immediately as the personal data will be deleted immediately as soon as the data protected protected protected before the data protected to the future, as well as the right to tile a complaint with the completed data protection information. You can contact the Group Data Protection Officer of TÜV Rheinland AG, o'd Group Data Protection Officer Am Grauen Stein, 51105 Cologne, Germany.

- 15. Retention of test material and documentation

  15.1 The test samples submitted by the client to TÜV Rheinland for testing will be scrapped following testing or will be retired 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 set samples, which are placed in storage to the basis of statutory regulations or of placing a test sample into storage will be disclosed to the client in the quotation.

  3.1 Interference samples or documerations are given to the client to be placed in storage at their client status of the samples or documerations are given to the client to be placed in storage at their client status of the samples of the samples or documeration are given to the client to the placed in storage at their status of the samples of th

- 16.1 Notwithstanding clause 3.3 of the GTCB, TÜV Rheinland and the client are 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 (6) months' notice to the end of the contractually agreed term. The notice period shall be shortened to six (6) weeks in case TÜV Rheinland is prevented from performing the services due to a loss or a suspension of its accreditation or notification.

- prevented from performing the services due to a loss or a suspension of its accreditation or notification.

  2. For good designed, and a substitution of the properties of the contract. The aforesaid good causes includes but not limited to the following:

  a) the client does not immediately notify TUV Rheinland due to the termination date of the contract. The aforesaid good causes includes but not limited to the following:

  a) the client does not immediately notify TUV Rheinland of changes in the conditions with his company which are relievant for certification or signs of such changes;

  () is the event of several consecutive delays in payment (at least three times of the contract;

  () is substantial deterioration of the financial croumstances of the client cocurs and as a result the payment client of the contract of the contract of the payment client of the contract of the specific service project in the contract of the contract of the specific service project in the contract of the contract of the specific service project in the contract of the contract of the specific service project in the contract of the contract of the specific service project in the contract of the specific servi
- Rhehland believes that there is a risk or some risks beyond its contro to commune to personne the contract.

  In the event of the remaining with written rosice by TUV Benishard for good causes, TUV in the event of the event of the event of the remaining that the property of the event of the even of the event of the event of the event of the event of the even of the event of the event of the event of the event of the even of the event of the event of the event of the event of the even of the event of the event of the event of the event of the even

### 17. Force Majeure

- 17. Force Majeure
  17.1 "Force Majeure" means the occurrence of an event or circumstance that prevents or impedies a Party from performing one or more of its contractual colligations under the contract, if and to the exent that that Party process; oil hast such impediente is beyond its reasonable control, and (b) that it could not reasonably have been foreseen at the time of the conclusion of the contract and c(f) with the effects of the impediment could not reasonably have been avoided to review of the effects of th
- labor disturbance such as boyont, sirke and look-out, go-slow, occupation of factories and premises.

  In the contract of the contract and from any fability in damages or from any other contractual remedy for breach of contract, from the time at which the limpediment causes inability to perform, provided that the notice thereof is given without delay. If notice thereof is not given without delay, if notice thereof is not given without delay, if the contract provided in provi

- 18. Hardship
  19. The Parties are bound to perform their contractual duties even if events have rendered performance more onerous than could reasonably have been anticipated at the time of the confluction of the contract.
  18.2. Notwithstanding paragraph 1 of this Clause, where a Party proves that:
  (a) the continuel performance of its contractual duties has become excessively overous due to (a) the contract performance of its contractual of the become excessively overous due to (a) the vertical performance of its contractual of the contract and that (b) (c) and not reasonably have avoided or overcome the vent or its consequences, the Parties are bound, within a reasonable have worked or overcome the consequences of the event.
  16.3. Where Clause 16.2 applies, but where the Parties have been unable to agree alternative contracts that cannot request adaptation by the judge or arbitrator without the agreement of the other Party.
  18. Partial invalidative, written form, place of intridiction and disquire resolution.

### artial invalidity, written form, place of jurisdiction and dispute resolutio

- agreement of the other Party.

  19. Partial invalidity written form, place of jurisdiction and dispute resolution

  19.1 All amendments and supplements must be in writing in order to be effective. This also applies

  19. Should one or several of the provisions under the contract and/or these terms and conditions

  be or become ineffective, the contracting parties shall replace the invalid provision with a

  legally valid provision that comes closes to the content of the invalid provision in legal and

  commercial semipation of the contracting parties aftering law of the contract and these terms

  19.3 Unless otherwise slipschafed in the contract, the governing law of the contract and these terms

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  19.1 TUN Rehelmand in question is legally registered and existing in Taiwan, the contraction

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  19.1 TUN Rehelmand in question is legally registered and existing in Taiwan, the contracting

  19.1 TUN Rehelmand in question is legally registered and existing in Hong Kong, the contracting

  19.1 parties hereby agree that the contract and these terms and conditions shall be governed by

  19.1 the laws of Taiwan, the contract and these terms and conditions shall be governed by

  19.1 the laws of Hong Kong.

  19.1 the laws of Hong Kong, the contracting

  19.1 parties hereby agree that the contract and these terms and conditions that be governed by

  19.1 the laws of Hong Kong.

  19.1 the case of China, to China the threat has the contract and these terms and conditions that be governed by

  19.1 there of shall be existed friendly through negolitation.

  19.1 the case of China, to China the threat threat of the distriction of the negotiation is submitted. The arbitration chall take place in Fajing, Shanphus, Shanchen

  19.1 the case of China