



Page 1 of 11 第1页 共11 页

Client: 向日葵环保科技(河南)有限公司

客户 Sunflower Environmental Protection Technology(Henan) Co., Ltd.

河南省信阳市光山县先进制造业开发区工业大道与西三环交叉口 01 号 Address:

No.01,Intersection of Industrial Avenue and Western 3rd Ring Road,Advanced Manufacturing Development Zone,Guangshan County,Xinyang City,Henan Province 批批

生厂商: 向日葵环保科技(河南)有限公司

Sunflower Environmental Protection Technology(Henan) Co., Ltd. Manufacturer

销售商: 东莞市绿罗环保科技有限公司

DONGGUAN LYLUO ENVIRONMENTAL PROTECTION TECHNOLOGY CO.,LTD. Seller

Test item(s): 单格盘 测试样品 LV-0178

Sample obtaining method: Sending by customer

样品获取方式 客户送样

Condition at delivery: Test item complete and undamaged.

样品接收状态 样品完整无损坏。

Sample Receiving date:

2024-08-26 收件日期

**Testing Period:** 

2024-08-26 to 2024-09-02 测试日期

Place of testing: Chemical laboratory Ningbo 测试地点 莱茵宁波化学实验室

### 测试说明 / Test specification:

样品的测试结果符合以下标准的相关基本要求 / The test results of the samples are in compliance with the following corresponding general requirements:

Please refer to "Test Result Summary List" on page 3 for details

请参考第3页项目测试列表

### Other Information / 其他信息:

样品编号: A003801901-001

原产国:中国

For and on behalf of TÜV Rheinland / CCIC (Ningbo) Co., Ltd.



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.

样品信息由客户提供。测试结果根据所做测试的种类和范围而得出。

本测试报告仅对来样负责。未经本测试中心许可,测试报告不得部分复制。不能根据此报告在上述产品或类似产品上使用任何安全标志

本测试报告中,描述符合性声明所应用的判定规则发布在我司官网 https://www.tuv.com/landingpage/en/qm-gcn/。

TÜV Rheinland / CCIC (Ningbo)Co., Ltd. · 3F,Building C13,R&D Park,No.32 Lane 299 Guanghua Road, National Hi-Tech Zone, Ningbo 315048, P.R. China

Tel.: +86 574 8767 1566 · Fax: +86 574 8767 2566 · Mail: service-gc@tuv.com · Web: www.chn.tuv.com

莱茵技术-商检宁波有限公司 宁波国家高新区光华路 299 弄 32 号研发园 C13 幢 3 楼 电话.: +86 574 8767 1566 传真: +86 574 8767 2566・电子信箱: service-gc@tuv.com・网址: www.chn.tuv.com



Page 2 of 11 第2页 共11 页

1 表明/ Indication: 食品接触 / Food contact

产品 / Product: 日用品,与食品接触 / Commodity, contact with foodstuff

### Description of test specimen 测试样品描述

Item 样品

1 单格盘

# 1. Material List: 材料清单

Sample No.	Material	Color	Location
样品编号	材质	颜色	位置
M001	Paper / 纸张	Brown / 棕色	Plate / 盘子



Page 3 of 11 第3页 共11 页

# 2. Overall Results: 整体结果

Test No. 测试编号	Tested Item 测试项目	Conclusion 结论
1	感官测试 / Sensorial examination	PASS 符合
2	砷, 铅含量 / Total content of As, Pb	PASS 符合
3	纸制品的重金属迁移(以铅计) / Specific Release of Heavy Metals (Expressed as Lead) from Paper	PASS 符合
4	纸的总迁移量 / Global Migration from Paper	PASS 符合
5	纸的 1, 3-二氯-2-丙醇和 3-氯-1, 2-丙二醇萃取 / Extraction of 1,3 Dichloro-2-propanol and 3-Monochloro-1,2-propanediol in paper	PASS 符合
6	纸的甲醛萃取 / Extractive Formaldehyde in Paper	PASS 符合
7	荧光增白剂的测定 / Determination of Fluorescent Brightener	PASS 符合



Page 4 of 11 第4页 共11 页

### 3. Results 结果

### 3.1 感官测试 / Sensorial examination

测试方法 / GB 5009.156-2016 食品安全国家标准 食品接触材料及制品迁移试验预处理方法通则

Test method: GB 31604.1-2015 食品安全国家标准 食品接触材料及制品迁移试验通则

The test was performed with reference to GB 5009.156-2016, GB 31604.1-2015.

限值 / Limit: GB 4806.8-2022 食品安全国家标准 食品接触用纸和纸板材料及制品

GB 4806.8-2022 Chinese National Food Safety Standard for Food Contact Paper and

Board Materials and Paper Products

应用以下食物模拟剂和条件 / The following food simulants and conditions were applied:

食物模拟剂 / Food simulant	测试时间 / 温度 Test duration / Temperature
4% 乙酸 / Acetic acid 4 %	2 hour(s) / 70 °C
95% 乙醇 / Ethanol 95 %	2 hour(s) / 60 °C
异辛烷 / Isooctane	0.5 hour(s) / 40 °C

测试编号 / Test No.:	T001		
测试样本编号 / Sample No.:	M001		
参数 / Parameter:	要求 / Requirement	结果 / Result	
感官 / Sensory	色泽正常,无异臭、霉斑或其他污物 / Normal luster, no foreign odor, mildew or other impurity.	合格 / Pass	
浸泡液 / Soaking liquid	迁移试验所得浸泡液不应有着色、异臭等感官性的 劣变 / No coloring or foreign odor and other sensory deterioration in soaking liquids of migration testing.	合格 / Pass	



Page 5 of 11 第5页 共11 页

### 3.2 砷, 铅含量 / Total content of As, Pb

测试方法 / GB 31604.34 2016 食品安全国家标准 食品接触材料及制品 铅的测定和迁移量的测定

Test Method: GB 31604.38 2016 食品安全国家标准 食品接触材料及制品 砷的测定和迁移量的测定

The test was performed with reference to GB 31604.34-2016, GB 31604.38-201

测试要求 / GB 4806.8-2022 食品安全国家标准 食品接触用纸和纸板材料及制品

Limit: GB 4806.8-2022 Chinese National Food Safety Standard for Food Contact Paper and

Board Materials and Paper Products

测试编号 / Test No.:	试编号 / Test No.:		
测试样本编号 / Sample No.:		M001	
参数 / Parameter	单位 / Unit	结果 / Result	限值 / Limit
砷 / Arsenic (As)	mg/kg	< 1.0	1.0
铅 / Lead (Pb)	mg/kg	< 1.0	3.0

### 缩写 / Abbreviations:

mg/kg = 毫克每千克 / Milligram per kilogram

< = 小于 / Less than



Page 6 of 11 第6页 共11 页

# 3.3 纸制品的重金属迁移(以铅计) / Specific Release of Heavy Metals (Expressed as Lead) from Paper

测试方法 / GB 31604.9-2016 食品安全国家标准 食品接触材料及制品 食品模拟物中重金属的测定

Test method: The test was performed with reference to GB 31604.9-2016.

测试要求 / GB 4806.8-2022 食品安全国家标准 食品接触用纸和纸板材料及制品

Limit: GB 4806.8-2022 Chinese National Food Safety Standard for Food Contact Paper and

Board Materials and Paper Products

应用以下食物模拟剂和条件 / The following food simulant and condition was applied:

食品模拟物 / Food simulant	测试时间 / 温度 Test duration / Temperature
4% 乙酸 / Acetic acid 4 %	2 hour(s) / 60 °C

测试编号 / Test No.:	T001		
测试样本编号 / Material No.:		M001	
参数 / Parameter	单位 / Unit	结果 / Result	限值 / Limit
铅 / Lead	mg/kg	<1	1

### 缩写 / Abbreviations:

mg/kg = 毫克每千克/ Milligram per kilogram

< = 小于 / Less than



Page 7 of 11 第7页 共11 页

### 3.4 纸的总迁移量 / Global Migration from Paper

测试方法 / GB 5009.156-2016 食品安全国家标准 食品接触材料及制品迁移试验预处理方法通则

Test Method: GB 31604.1-2015 食品安全国家标准 食品接触材料及制品迁移试验通则

GB 31604.8-2021 食品安全国家标准 食品接触材料及制品 总迁移量的测定

The test was performed with reference to GB 5009.156-2016, GB 31604.1-2015 & GB

31604.8-2021.

测试要求 / GB 4806.8-2022 食品安全国家标准 食品接触用纸和纸板材料及制品

Limit: GB 4806.8-2022 Chinese National Food Safety Standard for Food Contact Paper and

Board Materials and Paper Products

应用以下食物模拟剂和条件 / The following food simulant and condition was applied:

食品模拟物 / Food simulant	测试时间 / 温度 Test duration / Temperature
4% 乙酸 / Acetic acid 4 %	2 hour(s) / 70 °C
95% 乙醇 / Ethanol 95 %	2 hour(s) / 60 °C
异辛烷 / Isooctane	0.5 hour(s) / 40 °C

测试编号 / Test No.:	T001			
测试样本编号 / Material No.:	M001			
迁移比率 / Migration ratio:	360 ml / 2.16 dm <sup>2</sup>			
参数 / Parameter	单位 / Unit	结果 / Result	限值 / Limit	
95% 乙醇 / Ethanol 95 %	mg/dm²	<2	10	
异辛烷 / Isooctane	mg/dm²	<2	10	
三氯甲烷提取物 / Chloroform extractive (*1)				
4% 乙酸 / Acetic acid 4 %	mg/dm²	<2	10	

### 备注 / Remark (will be marked on the result if applicable):

\*1 如果按照规定选择的食品模拟剂测得的总迁移量超过 10mg/dm² 时应按照 GB 31604.8-2021 中的 5.3 测定三氯甲烷提取物, 并以测得的三氯甲烷提取量进行结果判定。/ If global migration exceeds limit 10 mg/dm², Chloroform extractive test acc. to GB 31604.8-2021, part 5.3 should be performed.



Page 8 of 11 第8页 共11 页

### 3.5 纸的 1, 3-二氯-2-丙醇和 3-氯-1, 2-丙二醇萃取 / Extraction of 1,3 Dichloro-2-propanol and 3-Monochloro-1,2-propanediol in paper

测试方法 / GB 4806.8-2022 食品安全国家标准 食品接触用纸和纸板材料及制品 附录A 热水提取试

Test method: 液制备; 附录C 水提取液中1,3-二氯-2-丙醇和3-氯-1,2-丙二醇含量的测定

The extraction was performed acc. to GB 4806.8-2022, Annex A (Hot Water Extraction);

Determination acc. to GB 4806.8-2022, Annex C

测试要求 / GB 4806.8-2022 食品安全国家标准 食品接触用纸和纸板材料及制品

Limit: GB 4806.8-2022 Chinese National Food Safety Standard for Food Contact Paper and

Board Materials and Paper Products

测试编号 / Test No.:			T001		
测试样本编号 / Sample No.:			M001		
参数 / Parameter	CAS 编号 / CAS No.	单位 / Unit	报告限 / RL	结果 / Result	限值 / Limit
1,3-二氯-2-丙醇/ 1,3-Dichloro-2-propanol	96-23-1	μg/L	2	< RL	不得检出/ <i>n.d.</i>
3-氯-1,2-丙二醇/ 3-Monochloro-1,2-propanediol	96-24-2	μg/L	2	< RL	12

### 缩写 / Abbreviations:

RL =报告限值 / Reporting Limit

μg/L = 微克每升/ Microgram per liter

< =小于 / Less than

n.d. = 未检出 / Not detected



Page 9 of 11 第9页 共 11 页

### 3.6 纸的甲醛萃取 / Extractive Formaldehyde in Paper

测试方法 / GB 4806.8-2022 食品安全国家标准 食品接触用纸和纸板材料及制品 附录A 热水提取试

Test method: 液制备;

GB 31604.48-2016 食品安全国家标准 食品接触材料及制品 甲醛迁移量的测定。

The extraction was performed acc. to GB 4806.8-2022, Annex A (Hot Water Extraction);

Determination acc. to GB 31604.48-2016.

测试要求 / GB 4806.8-2022 食品安全国家标准 食品接触用纸和纸板材料及制品

Limit: 4806.8-2022 Chinese National Food Safety Standard for Food Contact Paper and Board

Materials and Paper Products

测试编号 / Test No.:		T001	
测试样本编号 / Sample No.:		M001	
参数 / Parameter	单位 / Unit	结果 / Result	限值 / Limit
2 %	<b>一座 / 0///</b>	A Tresure	PKIE / EIIIII

### 缩写 / Abbreviations:

mg/dm² = 毫克每平方分米 / Milligram per square decimetre

< = 小于 / Less than



Page 10 of 11 第10页 共11 页

### 3.7 荧光增白剂的测定 / Determination of Fluorescent Brightener

测试方法 / GB 31604.47-2016 食品安全国家标准 食品接触材料及制品 纸、纸板及纸制品中荧光增白

Test method: 剂的测定

The test was performed with reference to GB 31604.47-2016

测试要求 / 根据GB 4806.8-2022 食品安全国家标准 食品接触用纸和纸板材料及制品要求, 测试样品

在 波长254纳米和365纳米紫外线照射下,对比空白样不得有明显荧光现象。

Limit: According GB 4806.8-2022, there shall be no fluorescence observed under UV light at a

wavelength of 254nm and 365 nm of the sample when compared to the blank.

测试编号 / Test No.:	T001	
测试样本编号 / Sample No.:	M001	
参数 / Parameter	结果 / Result	
荧光性物质 / Fluorescent Brightener	阴性 / Negative	



Page 11 of 11 第11页 共11页

4. Sample picture(s): 样品照片



- END 结束 -

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

- These General Terms and Conditions of Business of TÜV Rheinland in Greater China ("GTCB") is in between the client and one or more member entities of TÜV Rheinland in Greater China as applicabl the case may be ("TÜV Rheinland"). The Greater China hereof refers to Mainland China, Hong Kong Taiwan. The client hereof includes:
  - a natural person capable to form legally binding contracts under the applicable laws who ludes the contract not for the purpose of a daily use;
  - (ii) the incorporated or unincorporated entity duly organized, validly existing and capable to form legally binding contracts under the applicable law.
- The following terms and conditions apply to agreed services including consultancy services, information, deliveries and similar services as well as ancillary services and other secondary obligations 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 even if TUV Rheinland does not explicitly object to them.
- In the context of an ongoing business relationship with the client, this GTCB shall also apply to future intracts with the client without TÜV Rheinland having to refer to them separately in each individual case

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.

- The contract shall come into effect for the agreed terms upon the quotation letter of TÜV Rheinland or a separate contractual document being signed by both contracting parhes, or upon the works requested by quotation from TÜV Rheinland (quotation), TÜV Rheinland (protection), TÜV Rheinlan
- 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 extension of the contract term, the contract term will be extended by the term provided for in the contract unless terminated in writing by either party with a three-month notice prior to the end of the contractual term.

- Scope or services.

  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 edisk. The Rheinland edisk is then the written confirmation of order by TÜV Rheinland edisk. Be declaive for the service Rheinland edisk. Then the written confirmation or drief by TÜV Rheinland edisk. Be declaive for the service checking the correctness and functionality of parts, products, processes, installations, organizations not inside in the service description, as well as the intended use and application of such are not overed. In particular, no responsibility is assumed for the design, selection of materials, construction or intended use 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 entered into.
- TÜV Rheinland is entitled to determine, in its sole discretion, the method and nature of the assessment unless otherwise agreed in writing or if mandatory provisions require a specific procedure to be followed.
- uneso unlembere digreter a withing of in initialization, provision required a specific procedure in the outcomes for execution of the work there shall be no simultaneous assumption of any squaratee of the correctness (proper quality) and working order of either tested or examined parts nor of the installation as a whole and its upstema and/or downstream processes, organisations, use and application in accordance with regulations, nor of the systems on which the installation is based. In particular, TUV Rheinland shall assume no re-positionality of 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.
- In the case of inspection work, TÜV Rheinland 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, with a written notice to the client, TÜV Rheinland shall be en to additional remuneration for resulting additional expenses.
- The services to be provided by TUP Meliniand under the contract are agreed exclusively with the client, contract of third parties with the services of TUP Menihand, as well as making available of and justifying infidence in the work result (set reports, est results, expert propost, etc.) is not part of the agreed rivices. This also applies if the client passes on work results in full or in extracts to third parties in coordance with clause 11.4.

- 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 Rhenland in 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.
- Articles 5.1 and 5.2 also apply, even without express approval by the client, to all extensions of agreed periods/dates of performance not caused by TÜV Rheinland.
- TÜV Rheinland is not responsible for a delay in performance, in particular if the client has not fulfilled his littles to cooperate in accordance with clause 61 or has not done so in time and, in particular, has not vovided TÜV Rheinland.
- If the performance of TÜV Rheinland is delayed due to unforeseeable circumstances such as force majeure, strikes, business disruptions, governmental regulations, transport obstacles, etc., TÜV Rhe is entitled to postpone 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.
- outsett or the rimbarce plus any time period writer may be required to resume periodinates. If the client is obliged to comply with legal, officially prescribed and/or by the accredator prescribe deadlines, it is the client's responsibility to agree on performance dates with TÜV Rheinland, which the client to comply with the legal and/or officially prescribed deadlines. TÜV Rheinland assumes responsibility in this respect unless TÜV Rheinland expressly agreed in writing specifically stating resulting the deadlines is the contractual colligation of TÜV Rheinland.

- 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, safety regulations and accident prevention instructions. And the client represents and warrants that:

  - The product, service or management system to be certified complies with applicable laws and regulations; and
  - c) It doesn't have any illegal and dishonest behaviours or is not included in the list of Enterprises with Serious Illegal and Dishonest Acts of People's Republic of China.
  - If the client breaches the aforesaid representations and warranties, TÜV Rheinland is entitled to i) diately terminate the contract/order without prior notice; and ii) withdraw the issued testing forefficiates 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 laxed or maximum price is agreed, TDV Rheinland shall be entitled to charge extra fees 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 list of TÜV Rheinland 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 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, TÜV Rheinland may demand payments on account or in installments.

- 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.
  - Payments shall be made to the bank account of TÜV Rheinland as indicated on the invoice, stating the invoice and client numbers.
- In cases of default of payment, TÜV Rheinland shall be entitled to claim default interest at the applicable short term loan interest rate publicly announced by a reputable commercial bank in the country where TÜV Rheinland is located. At the same time, TÜV Rheinland reserves the right to claim further damages
- Should the client default in payment of the invoice despite being granted a reasonable grace period, TUV Rheinland shall be entitled to cancel the contract, withdraw the certificate, claim damages for non-performance and refuse to contribute performance of the contract.
- The provisions set forth in article 8.4 shall also apply in cases involving returned cheques, cessation of payment, commencement of insolvency proceedings against the client's assets or cases in which the commencement of insolvency proceedings has been dismissed due to lack of assets.
- Objections to the invoices of TÜV Rheinland shall be submitted in writing within two weeks of receipt of the

- TUV Rhainland shall be entitled to raise its fees at the beginning of a month overheads and/or purchase costs have increased. In this case, TVM Rhainland shall perfect the rise in fees. This notification shall be issued one month prior to the date on which the rise in fees shall come into effect (period of notice of changes in fees). If the rise in fees remains under 5% per controtuctal year, the client shall not have the right to terminate the contract. If the rise in fees exceeds 5% per controctual year, the client shall not have the right to terminate the contract. If the rise in fees are client shall not have the right to terminate the contract. If the rise in fees are client shall not have the right to terminate the contract by the end of the specific of notice of changes is fees. If the expiry of the notice period. 13.1

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 orders/quotations reached with TÜV Rheinland.

- 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 TU Whehiand.
- The client is not entitled to refuse acceptance due to insignificant breach of contract by TÜV Rhei
- If acceptance is excluded according to the nature of the work performance of TÜV Rheinland, the impletion of the work shall take its place. 9.5
  - competion or the work shall sake its place.

    During the Follow-Audit stape, if the client was unable to make use of the time windows provided for within the scope of a certification procedure for auditing/performance by TVV Rheinland and the certificates its herefore to be windframe (e.g. performance of surveillance audits), or if the client cancels or postpones a confirmed audit date within two (2) weeks before the agreed date, TVV Rheinland is entitled to immediately change a lump-sum compensation of 10% of the order amount as compensation for expenses. The client reserves the right to prove that the TVV Rheinland has incurred no damage whatsoever or only a considerably loved damage than the above hung sum.
  - Insofar as the client has undertaken in the contract to accept services, TÜV Rheinland shall also be 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 within one year after the order has been placed. The client neserve the right to prove that the TÜV Rheinland has incurred no damage whatsoever or only a considerably in damage than the above mentioned lump sum.

9.6

Confidentiality

For the purpose of these terms and conditions, "confidential information" means all know-how, trade sorests, documents, images, drawings, expertise, information, data, test results, reports, samples, project documents, proing and financial information, usationer and supplier information, and marketing techniques and materials, tamplie or infamplies, that are supplied, transiered or otherwise disclosed by one Party (the format. Confidential information is expressly not the data and know-how collected, compiled or otherwise obtained by TDV Rheinland (no-personal and not proprietary to the client) within the scope of the provision of services by TDV Rheinland. TDV Rheinland is entitled to store, use, further develop and pass on the data obtained in connection with the provision of services 10.2. The discolaring perty shall mark and confidential information disclosed in written form as confidential before passing in torio the receiving and confidential elicine passing in the transition of the confidential before passing in torio the receiving disclosed orally, the receiving party shall be appropriately informed in advance and the disclosing party disclosed orally. The receiving party falls to do so within the stipulated period, the receiving party shall be appropriately informed in advance and the disclosing party shall not take any confidentially obligations hereunder bowards such information. The client shall avoid using any third party platform and/or system (e.g. Wechat, etc. Usuauhorzed by TDV Rheinland) to send any losses or diamages due to any their or leakages to be caused by the adoption of any unauthorized company enal of TDV Rheinland employees strongly this company enal. If the client suffers from any losses or diamages due to any their or leakages to be caused by the adoption of any unauthorized confidential information sharing methods mentioned above, TDV Rheinland shall be valved for any compensation liabilities.

- All confidential information which the disclosing party transmits or otherwise discloses to the re party and which is created during performance of work by TÜV Rheinland:
- may only be used by the receiving party for the purposes of performing the contract, unless expressly otherwise agreed in writing by the disclosing party;
- may not be copied, distributed, published or otherwise disclosed by the receiving party, unless this is necessary for fulfilling the purpose of the contract or TÜV Rheinland is required to pass on confidential information, inspection reports or documentation to the government authorities, judicial court, accreditat bodies or third parties that are involved in the performance of the contract;
- must be treated by the receiving party with the same level of confidentiality as the receiving party uses to protect its own confidential information, but never with a lesser level of confidentiality than that which is reasonably required.
- The receiving party may disclose any confidential information received from the disclosing party only to those of its employees who need this information to perform the services required for the contract. The receiving party undertakes to oblige these employees to observe the same level of secrecy as set forth this confidentially clause.
- Information for which the receiving party can furnish proof that
  - it was generally known at the time of disclosure or has become general knowledge without violation of this confidentiality clause by the receiving party; or
  - it was disclosed to the receiving party by a third party entitled to disclose this information; or
  - the receiving party already possessed this information prior to disclosure by the disclosing party; or the receiving party developed it itself, irrespective of disclosure by the disclosing party, shall not be deemed to constitute "confidential information" as defined in this confidentiality clause.

  - deemed to constitute "confidential information" as defined in this confidential plause. At confidential information as defined in this confidential plause. At confidential information shall remain the property of the disclosing party. The receiving party hereby agrees to immediately (i) return all confidential information, including all copies, to the disclosing party, and/or (ii) on request by the disclosing party, to destroy all confidential information, including all copies, and confilm the destruction of this confidential information to the disclosing party in writing, at any time of the contract. This does not extend to include reports and certificates prepared for the client solely for the purpose of brilling the obligations under the contract, which shall remain with the client. However, TUV Rhenland is entitled to make tile copies of such reports, certificates and confidential information that forms the basis to preparing these reports and certificates in order to evidence the correctness of its results and procedures of TUV Rheinland.

11.1

12.1

12.2

12.4

12.5

- TÜV Rheinland shall retain all exclusive copyrights in the reports, expert reports/opinions, test reports/results, results, calculations, presentations etc. prepared by TÜV Rheinland, unless otherwise agreed by the parties in a separate agreement. As the owner of the copyrights, TÜV Rheinland is free to grant others the right to use the work results for individual or all types of use; ("right of use")
- The client receives a simple, unlimited, non-transferable, non-sublicensable right of use to the contents of the work results produced within the scope of the contract, unless otherwise agreed by the parties in a separate agreement. The client may only use such reports, sperit reports/pointine, set reports/esults, results calculations, presentations etc. prepared within the scope of the contract for the contractually agreed purpose.
- The transfer of right of use of the generated work results regulated in clause 11.2. of the GTCB is ct to full payment of the remuneration agreed in favour of TÜV Rheinland.
- The client may use work results only complete and unshortened. The client may only pass on the worl results in full unless TÜV Rheinland has given its prior written consent to the partial passing on of work results.
- Any publication or duplication of the work results for advertising purposes or any further use of the work results beyond the scope regulated in clause 11.2, and any quotation of the introduction of TUV Rheinland need in drividual case. Besides, the client ensures that the aforesaid use shall comply with relevant applicable laws, regulations and relevant rules (including but not limited to specific applicable testing and certification rules, etc.).
- TÜV Rheinland may revoke a once given approval according to clause 11.5 at any time without stating reasons. In this case, the client is obliged to stop the transfer of the work results immediately at his own expense and, as far as possible, to withdraw publications.
- The consent of TÜV Rheinland to publication or duplication of the work results does not entitle the client to use the corporate logo, corporate design or test/certification mark of TÜV Rheinland.

### 12. Liability of TÜV Rheinland

Irespective 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 TUV Rheinland for all damages, losses and reimbursement of expenses caused by TUV Rheinland, its legal propresentatives and/or employees shall be initiated to: (i) in the case of a contract with a fixed overall fee, three times the overall fee for the entire contractive or the contractive of the contractive

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

In cases involving a fundamental breach octrant, TUV beheinland will be liable even where minor negligence is involved. For this purpose, a "fundamental breach" is breach of a material contractual process of the purpose, a "fundamental breach" is breach of a material contractual process. The purpose is processed of the purpose of t

TÜV Rheinland shall not be liable for the acts of the personnel made available by the client to support Rheinland in the performance of its services under the contract, unless such personnel made available regarded as visionise, ageret of TÜV Rheinland. If TÜV Rheinland is not liable for the acts of the personade available by the client under the foregoing provision, the client shall indemnify TÜV Rheinland against any clients made by whith parties arining from or in connection with subtreportmel's acts.

- Unless otherwise contractually agreed in writing, TÜV Rheinland shall only be liable under the contract to the client.
- The limitation periods for claims for damages shall be based on statutory provi None of the provisions of this article 12 changes the burden of proof to the disadvantage of the client.

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 lab

15.2

15.3

Data protection notice

The cient understands and agrees that TÜV Rheinland processes personal data (including but not limited to personal information) of the cient and its related parties (including but not limited to the supplier of the client) for the purpose of thrilling his contract. The client form fit 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 takef and ransferred to TÜV Rheinland. For certain services, we may also process serialize personal data. TÜV Rheinland will use and process the data in accordance with the relevant legal of the district in which the personal data was collected, the client also confirms that it has obtained the prior consent of the district in which the personal data was collected, the client also confirms that it has obtained the prior consent of the data subject. TÜV Rheinland will carry out cross-border data transmission and protect the data in compliance with the privacy and personal data security related laws and regulations in China and the local country. TÜV Rheinland will take measures to avoid any lesialoge, abuse, manipulation, damage or mauthorized access of personal data. The presonal data will be deleted immediately as soon as a dispetion, right of destion, right of destion, right of destion, right of data transferables, in addition, persona concerned by the data processing have the right to revoke their consent at any time with effect for the future, as well as the right to file a complaint with the competent data processing hereon responsible or confinct processor, please renormal data by TÜV relation of the complex of the prior responsible or confinct processor, please regrounded the complex data processing the personal data by TÜV relation of the Current of the confinct processor, please regrounded the confinct process

The test samples submitted by the client to TÜV Rheinland for testing will be scrapped following test 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 agreement with the client.

Charges apply if the test samples are stored at the premises of TÜV Rheinland. The cost of placing a est sample into storage will be disclosed to the client in the quotation.

If reference samples or documentations are given to the client to be placed in storage at their premi-the reference samples or documentations must be made available to TÜV Rheitland upon request the reference samples and/or documentation, any lability claims for material and pocuriary damage resulting from the respective testing and certification that is brought forward by the client against TÜV Rheitland shall be volded.

The retention period for the documentation shall be 10 (ten) years after the expiry of the test mark certificates or shall meet the applicable legal requirements for EU/EC certificates of conformity and GS mark certificates.

The costs of the handover and dispatch of the test samples for storage on the client's premises are bore by the client. TûV Rheinland will be liable for the loss of test samples or reference samples from the laboratories or warehouses of TûV Rheinland only in case of cross neglicence.

### Termination of the contract

For good causes, TÜV Rheinland may consider giving a written notice to the client to terminate the contract which includes but not limited to the following:

a) the client does not immediately notify TÜV Rheinland of changes in the conditions within the company which are relevant for certification or signs of such changes;

b) the client misuses the certificate or certification mark or uses it in violation of the contract; c) in the event of several consecutive delays in payment (at least three times);

e) in the event of any serious misrepresentation, be it by intentional fraud or grossly negligent the managers, employees or agents of the client;

f) if TÜV Rheinland, for reasons beyond its control, is temporarily or finally not able or entitled to continue finalize the performance of the service, e.g. in case of force majeure, government interference, sanctions, loss of accreditation or notification, or other.

In the event of termination with written notice by TÜV Rheinland for good cause, TÜV Rheinland she be entitled to a lump-sum claim for damages against the client if the conditions of a claim for damages the condition of a claim for damages against the client if the conditions of a claim for damages the condition of the claim for the 16.3

TÜV Rheinland is also entitled to terminate the contract with written notice if the client has not been te to make use of the time windows for auditing iservice provision provided by TÜV Rheinland within the ope of a certification procedure and the certificate therefore has to be withdrawn (for example during the formance of monitoring audis). Clause 16.3 applies accordingly.

"Force Majeure" means the occurrence of an event or circumstance that prevents or impedes a Party from performing one or more of its contractual obligations under the contract, if and to the extent that that Party proves (a) that such impedement 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) that the effects of the impediment could not reasonably have been increasen at the time of the conclusion of the contract, and (c) that the effects of the impediment could not reasonably have been avoided or overcome by the affected Party.

impealment could not reasonably have been success of evertoome by the affection Party. In the absence of proof to the contrary, the following events affecting a Party shall be presumed to fulfill conditions (a) and (b) under paragraph 1 of this Caluse: (i) war (whether declared or not), hostilities, mission, act of longing nemeines, extensive millitary mobilization: (ii) citil war, for theblino and revolution, millitary or usurped power, insurrection, act of terrorism, sabotage or priezy; (iii) currency and trade restriction, embarges, sanction; (vi) act dauthority whether which or unlawful, compliance with any law or governmental order, expropriation, saizure of works, requisition, nationalization; (v) plague, epidemic, natural disassitier or externe natural event; (vi) explosion, (iii, estruction of equipment, protoriged break-down disapped), and the protocol p

as boycott, strike and lock-out, go-alow, occupation of factories and premises. The Party successfully invoking this Clause is releved from its duty to perform its obligations under the contract and from any liability in damages or from any other contractual rememby for breach of contract, or the contract of the property of the property of the contract of the property of the pro

19.2

- 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 conclusion of the contract.
- Notwithstanding paragraph 1 of this Clause, where a Party proves that:
- (a) the continued performance of its contractual duties has become excessively onerous due to an event beginning the reasonable control which it could not reasonably have been expected to have taken into account at the time of the conclusion of the contract; and that
- (b) It could not reasonably have avoided or overcome the event or its consequences, the Parties are bound, within a reasonable time of the invocation of this Clause, to negotiate alternative contractual terms which reasonably allow to overcome the consequences of the event.
- resolutary allow to overcome the consequences on the event.

  Where Clause 18.2 applies, but where the Parties have been unable to agree alternative contractual terms as provided in that paragraph, the Party invoking this Clause is entitled to terminate the contract, but cannot request adaptation by the judge or arbitrative without the agreement of the other Party.

- All amendments and supplements must be in writing in order to be effective. This also applies to amendments and supplements to this clause 17.1.
- 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 closest to the content of the invalid provision in legal and commercial terms.
- Unless otherwise stipulated in the contract, the governing law of the contract and these terms and conditions shall be chosen following the rules as below:
- If TÜV Rheinland in question is legally registered and existing in the People's Republic of China, the contracting parties hereby agree that the contract and these terms and conditions shall be governed by the laws of the People's Republic of China.
- if TÜV Rheinland in question is legally registered and existing in Taiwan, the contracting parties hereby agree that the contract and these terms and conditions shall be governed by the laws of Taiwan.
- if TÜV Rheinland in question is legally registered and existing in Hong Kong, the contracting parties hereby agree that the contract and these terms and conditions shall be governed by the laws of Hong Kong. Any dispute in connection with the contract and these terms and conditions or the exe be settled friendly through negotiations.
- Unless otherwise stipulated in the contract, if no settlement or no agreement in respect of the extension of the negotiation period can be reached within two months of the arising of the dispute, the dispute shall be submitted.
- in the case of TÜV Rheinland in question being legally registered and existing in the People's Republic of China, to China International Economic and Trade Arbitration Commission (CETAC) to be settled by arbitration under the Arbitration Rules of CIETAC in force when the arbitration is submitted. The arbitration shall take place in Belling, Shanghal, Shenzhen or Chongging as appropriately chosen by the claiming
- in the case of TÜV Rheinland in question being legally registered and existing in Taiwan, to Chinese Arbitration Association, Taipeit to be arbitrated in accordance with its then current Rules of Arbitration. The arbitration shall take place in Taipei.
- in the case of TUV Rheinland being legally registered and existing in Hong Kong, to Hong Kong International Arbitration Centre (HKIAC) to be settled by arbitration under the HKIAC Administered Arbitration (the in force when the Notice of Arbitration is submitted in accordance with these rules. The arbitration shall take place in Hong Kong.
- The decision of the relevant arbitration tribunal shall be final and binding on both parties. The arbitration fee shall be borne by the losing party.