

DICHIARAZIONE DI CONFORMITÀ CONTATTO ALIMENTARE

1) Con la presente si dichiara che il seguente prodotto :

- 29370 - CARTA FRIGGITRICE AD ARIA Ø mm. 200+45 - conf. 25 pezzi - busta
- 29380 - CARTA FRIGGITRICE AD ARIA Ø mm. 200+45 - conf. 50 pezzi - astuccio
- 29381 - CARTA FRIGGITRICE AD ARIA Ø mm. 160xh.45 - conf. 50 pezzi - astuccio
- 29385 - CARTA FRIGGITRICE AD ARIA mm. 160x160xh.45 - conf. 50 pezzi – astuccio
- 29386 - CARTA FRIGGITRICE AD ARIA mm. 200x200xh.45 - conf. 50 pezzi - astuccio

fornitovi come carta per friggitrice ad aria è adatto al contatto con qualsiasi alimento

È CONFORME

alla seguente legislazione comunitaria:

- Regolamento (CE) n. 1935 / 2004
- Regolamento (CE) n. 2023 / 2006 (GMP)
- Regolamento (UE) n. 10 / 2011 e successivi aggiornamenti e modifiche
- Regolamento EN n. 648 / 2018

ed alla seguente legislazione italiana:

- DPR 777 / 82 e successivi aggiornamenti e modifiche.

Il prodotto sopracitato è fabbricato con i seguenti materiali :

carta siliconata

Si dichiara inoltre che:

- ☒ Il materiale non contiene sostanze sottoposte a restrizioni nelle legislazioni citate e rispetta i limiti di migrazione globale
- ☐ Il materiale contiene le seguenti sostanze sottoposte a restrizioni nelle legislazioni citate:

Test di idoneità alimentare :

Il materiale rispetta i limiti di migrazione globale nelle condizioni di prova riportate:

Condizioni di prova:

Per la migrazione globale

Simulante: ossido di polifenilene

Tempo e Temperatura : 2 ore a 175 °C

Simulante: etanolo 95 % v/v

Tempo e Temperatura : 6 ore a 60 °C

Simulante: isottano

Tempo e Temperatura : 4 ore a 60 °C

Simulante: olio di oliva rettificato

Tempo e Temperatura : 1 ora a 200 °C

Le prove sono state effettuate assumendo che 1kg di alimento venga in contatto con 24 dm² di prodotto

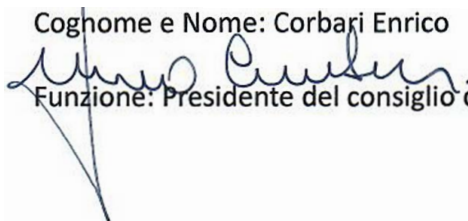
Nel materiale **non sono presenti** sostanze regolate dai Regolamenti (CE) n. 1333/2008 e 1334/2008 e succ. agg. (sostanze chiamate "dual use").

Questa dichiarazione ha validità a partire dalla data sott riportata e sarà sostituita nel caso in cui interverranno cambiamenti sostanziali nella produzione del materiale in grado di mutare alcuni requisiti essenziali ai fini della conformità o quando i riferimenti legislativi citati nella presente dichiarazione saranno modificati e aggiornati in modo da richiedere una nuova verifica ai fini della conformità

Data: 17/12/2024

Cognome e Nome: Corbari Enrico

Funzione: Presidente del consiglio di amministrazione



Test Report No.: 178201822c1 001

Page 1 of 21

Identification / Model No(s):	WHITE SILICONE COATED BAKING PAPER UNBLEACHED SILICONE COATED BAKING PAPER
Sample obtaining method:	Sending by customer
Condition at delivery:	Test item complete and undamaged.
Sample Receiving date:	2024-07-04
Testing Period:	2024-07-04 – 2024-07-17
Place of testing:	Chemical laboratory Qingdao, Chemical laboratory Hongkong, Chemical laboratory Shenzhen, Chemical laboratory Ningbo

Test specification:

Selected parameter(s) and condition(s) by client for the compliance with German §31 LFGB (Lebensmittel-, Bedarfsgegenstände- und Futtermittelgesetzbuch) concerning materials in contact with foodstuff:

Refer to "Overall Results" on page 3

Test conclusion:

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

2024-07-31

Date

Echo Xu / Department Manager

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 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.

"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.

Test Report No.: 178201822c1 001

Page 2 of 21

Indication: Food contact

Product: Commodity, contact with foodstuff
§ 2 (6) No. 1, German Food, Commodities and Animal Feed Code of Law (LFGB)

Description of test specimen**Item**

- 1 WHITE SILICONE COATED BAKING PAPER
- 2 UNBLEACHED SILICONE COATED BAKING PAPER

1. Material List:

Sample No.	Material	Color	Location
B001	Paper	White	Refer to photo
B002	Paper	Unbleached	Refer to photo

Test Report No.: 178201822c1 001

Page 3 of 21

2. Overall Results:

Test No.	Tested Item	Conclusion
1	Sensorial examination	PASS
2	Fastness of Optical Brighteners	PASS
3	Extractive Formaldehyde in Paper	PASS
4	Photometric determination of Glyoxal in Paper	PASS
5	Extraction of Primary Aromatic Amines	PASS
6	Extraction of 1,3 Dichloro 2 propanol and 3 Monochloro 1,2 propanediol	PASS
7	Migration of Metal from Paper	PASS
8	Cadmium and Lead in Synthetic Material	PASS
9	Extractive Benzophenone in Paper	PASS
10	Diisopropylnaphthalene Content (DIPN)	PASS
11	Mineral oil hydrocarbons (MOSH and MOAH)	PASS
12	Determination of Transfer of Antimicrobial Constituents	PASS
13	Total Arsenic Content	PASS

3. Results

3.1 Sensorial examination

Test method: It is examined to the extent of food simulant being used, which comes into contact with the product, undergoes detectable changes in taste and smell.

For this purpose, the food simulant was stored in the product under the below mentioned time and temperature. Afterwards, the food simulant was examined by an appropriate number of tasters with regard to any divergence in smell and taste. Another test sample, which was used as a reference, was treated by the same way except that it had no contact with the product to be tested.

Before testing, the product had been cleaned according to the product's instruction manual or in the absence of such manual, by normal household cleaning.

The test is carried out on the basis of DIN 10955:2023 by paired comparison test:

Evaluation scheme:	0 =	No perceptible difference
	1 =	Just perceptible difference (still difficult to define)
	2 =	Slight difference (possible to define)
	3 =	Marked difference
	4 =	Strong difference
	Limit:	3 (failed)

The following food simulants and conditions were applied:

Food simulant	Test duration / Temperature
Dough	1 hour(s) / 200 °C

Test No.:	1
Material No.:	B001
Parameter:	Result
Transfer of Smell:	0
Transfer of Taste:	0

Test No.:	2
Material No.:	B002
Parameter:	Result
Transfer of Smell:	0
Transfer of Taste:	0

Test Report No.: 178201822c1 001

Page 5 of 21

3.2 Fastness of Optical Brighteners

Test method: EN 648:2018 "Paper and board intended to come into contact with food – Determination of the fastness of fluorescent whitened paper and board."

Requirement: BfR Recommendations on Food Contact Materials (formerly "Plastics Recommendations") Part XXXVI, "Paper and board for food contact"

Test No.:	1	
Material No.:	B001	
Parameter	Unit	Result
Procedure	-	D
Fastness to vegetable oil	Grade	5
Fastness to distilled water	Grade	5
Fastness to 3% acetic acid	Grade	5
Fastness to alkaline salt solution	Grade	5

Test No.:	1	
Material No.:	B002	
Parameter	Unit	Result
Procedure	-	D
Fastness to vegetable oil	Grade	5
Fastness to distilled water	Grade	5
Fastness to 3% acetic acid	Grade	5
Fastness to alkaline salt solution	Grade	5

Remark:

- *1 The BfR Recommendation on Food Contact Materials (formerly "Plastics Recommendations") Part XXXVI, "Paper and board for food contact" serves as basis for the evaluation of the test results. There must be no migration of brighteners to the foodstuff. Testing is conducted according to EN 648, whereby grade 5 on the so-called grey scale must be reached.

Test Report No.: 178201822c1 001

Page 6 of 21

3.3 Extractive Formaldehyde in Paper

Test method: Extraction acc. to EN 647:1994; Determination acc. to EN 1541:2001.

Limit: Recommendation of Plastics Intended to Come into Contact with Food in BfR, "Kunststoffempfehlungen", Part XXXVI (Paper and board for food contact)

Test No.:	1		
Sample No.:	B001		
Parameter	Unit	Result	Limit
Formaldehyde	mg/dm ²	< 0.5	1.0

Test No.:	2		
Sample No.:	B002		
Parameter	Unit	Result	Limit
Formaldehyde	mg/dm ²	< 0.5	1.0

Abbreviations:

mg/dm² = Milligram per square decimeter

< = Less than

Test Report No.: 178201822c1 001

Page 7 of 21

3.4 Photometric determination of Glyoxal in Paper

Test method: Extraction acc. to EN 647:1994; Determination according to DIN 54603

Limit: BfR Recommendations on Food Contact Materials (formerly "Plastics Recommendations"), Part XXXVI "Paper and board for food contact"

Test No.:	1		
Sample No.:	B001		
Parameter	Unit	Result	Limit
Glyoxal	mg/dm ²	< 0.2	1.5

Test No.:	2		
Sample No.:	B002		
Parameter	Unit	Result	Limit
Glyoxal	mg/dm ²	< 0.2	1.5

Abbreviations:

< = Less than

mg/dm² = Milligram per square decimetre

Test Report No.: 178201822c1 001

Page 8 of 21

3.5 Extraction of Primary Aromatic Amines

Test method: Extraction according to EN 647:1994.Determination by LC-MS/MS.

Limit: BfR Recommendations on Food Contact Materials, Part XXXVI, Paper and board for food contact

Test No.:	1			
Sample No.:	B001			
Method:	EN 647:1994			
Parameter	Unit	RL	Result	Limit
Sum of Primary Aromatic Amines	mg/kg	0.01	n.d.	n.d.

Test No.:	2			
Sample No.:	B002			
Method:	EN 647:1994			
Parameter	Unit	RL	Result	Limit
Sum of Primary Aromatic Amines	mg/kg	0.01	n.d.	n.d.

Abbreviations:

mg/kg = milligram per kilogramm

n.d. = Not detected

RL = Reporting Limit

Remark:

- *1 All primary aromatic amines as comprised in table 1 are considered within the screening.
- *2 According to the BfR the transfer of any as carcinogenic classified PAA to foods and / or food simulants should not be detectable with an analytical detection limit of 0.002 mg/kg.

Table 1: Screening List of Primary Aromatic Amines

PAA classified as carcinogenic 1A or 1B acc. to Regulation (EC) No 1272/2008	CAS no.	PAA not classified as carcinogenic 1A or 1B acc. to Regulation (EC) No 1272/2008	CAS no.
2,4,5-Trimethylaniline	137-17-7	2,4-Dimethylaniline	95-68-1
2,4-Diaminoanisole	615-05-4	2-ethoxyaniline	94-70-2
2-Naphthylamine	91-59-8	3-Amino-4-methoxybenzanilide	120-35-4
3,3'-Dichlorobenzidine	91-94-1	3-Amino-4-methylbenzamide	19406-86-1
4,4'-methylene-bis-(2-chloro-aniline)	101-14-4	4,4'-Methylenebis-(3-chloro-2,6-diethylaniline)	106246-33-7
4,4'-methylenedianiline	101-77-9	4-aminobenzamide	2835-68-9
4,4'-oxydianiline	101-80-4	4-chloro-2,5-dimethoxyaniline	6358-64-1
4,4'-thiodianiline	139-65-1	4-Ethoxyaniline	156-43-4
4-aminoazobenzene	60-09-3	Benzoguanamine	91-76-9
4-aminobiphenyl	92-67-1	Dimethyl-2-aminoterephthalate	5372-81-6
4-chloro-o-toluidine	95-69-2	2-Chloroaniline	95-51-2
o-anisidine	90-04-0	5-Chloro-2-methoxyaniline	95-03-4
Benzidine	92-87-5	2-Nitroaniline	88-74-4
4-chloroaniline	106-47-8	1,3-Diiminoisoindoline	3468-11-9
o-aminoazotoluene	97-56-3	2-Chloro-4-nitroaniline	121-87-9
p-cresidine	120-71-8	2-Methoxy-4-nitroaniline	97-52-9
4,4'-bi-o-toluidine	119-93-7	4-Chloro-3-methoxyaniline	13726-14-2
2,4-toluenediamine	95-80-7	5-Amino-6-methyl-1,3-dihydro-2H-benzimidazol-2-one	67014-36-2
o-Toluidine	95-53-4	2-Aminonaphthalene-1-sulfonic acid	81-16-3
3,3'-Dimethoxybenzidine	119-90-4	4-Aminotoluene-3-sulfonic acid	88-44-8
4,4'-Methylene-di-o-toluidine	838-88-0	2,5-Dichloroaniline	95-82-9
		2,4,5-Trichloroaniline	636-30-6
		2,4-Dinitroaniline	97-02-09
		Biphenyl-2-ylamine	90-41-5
		2-Methyl-4-nitroaniline	99-52-5
		1,5-naphthylenediamine	2243-62-1
		2,6-Dimethylaniline	87-62-7
		2-Methyl-5-nitroaniline	99-55-8
		5-Chloro-2-methylaniline	95-79-4
		Aniline	62-53-3
		m-Anisidine	536-90-3
		3-Chloroaniline	108-42-9
		o-phenylenediamine	95-54-5
		p-phenylenediamine	106-50-3
		m-phenylenediamine	108-45-2
		2,6-toluenediamine	823-40-5
		p-toluidine	106-49-0
		m-toluidine	108-44-1

Test Report No.: 178201822c1 001Page 10 of
21**3.6 Extraction of 1,3-Dichloro-2-propanol and 3-Monochloro-1,2-propanediol**

Test method: Extraction acc. to EN 647: 1994. Determination with ref. to § 64 LFGB B 80.56.2:2002.

Limit: BfR Recommendations on Food Contact Materials, Part XXXVI, Paper and board for food contact

Test No.:		1			
Material No.:		B001			
Parameter	CAS No.	Unit	RL	Result	Limit
1,3-Dichloro-2-propanol	96-23-1	µg/l	2	<RL	2
3-Monochloro-1,2-propanediol	96-24-2	µg/l	2	<RL	12

Test No.:		2			
Material No.:		B002			
Parameter	CAS No.	Unit	RL	Result	Limit
1,3-Dichloro-2-propanol	96-23-1	µg/l	2	<RL	2
3-Monochloro-1,2-propanediol	96-24-2	µg/l	2	<RL	12

Abbreviations:

RL = Reporting Limit

µg/l = Microgram per liter

< = Less than

Test Report No.: 178201822c1 001

Page 11 of 21

3.7 Migration of Metal from Paper

Test method: Extraction acc. to DIN EN 647: 1994. Determination of heavy metals by ICP-MS.
 Determination of Chromium VI by UV-Vis spectrophotometer.

Limit: BfR Recommendations on Food Contact Materials (formerly "Plastics Recommendations")
 Part XXXVI, (Paper and board for food contact)

Test No.:	1			
Material No.:	B001			
Parameter	Unit	RL	Result	Limit
Cadmium	µg/l	0.1	<RL	5
Lead	µg/l	0.5	<RL	10
Aluminium	mg/kg	0.1	<RL	1
Chromium III	mg/dm ²	0.002	<RL	0.004
Chromium VI	µg/g	0.25	<RL	< 0.25

Test No.:	2			
Material No.:	B002			
Parameter	Unit	RL	Result	Limit
Cadmium	µg/l	0.1	<RL	5
Lead	µg/l	0.5	<RL	10
Aluminium	mg/kg	0.1	<RL	1
Chromium III	mg/dm ²	0.002	<RL	0.004
Chromium VI	µg/g	0.25	<RL	< 0.25

Abbreviations:

µg/l = Microgram per liter

µg/g = Microgram per gram

mg/kg = Milligram per kilogram

mg/dm² = Milligram per square decimeter

< = Less than

RL = Reporting limit

Test Report No.: 178201822c1 001

 Page 12 of
21

3.8 Cadmium and Lead in Synthetic Material

Test method: Cadmium: For plastic: EN 1122:2001 (method B)
 Cadmium: For metal and other material: Acid digestion, analysed by AAS/ ICP-OES
 Lead: CPSC-CH-E1001-08.3, CPSC-CH-E1002-08.3 and CPSC-CH-E1003-09.1 (Microwave method)

Limit: Cadmium: REACH regulation (EC) No. 1907/2006 Annex XVII Item 23 and its amendments (EC) No. 552/2009, (EU) No. 494/2011, (EU) No. 835/2012 and (EU) No. 217/2016
 Lead: REACH Regulation (EC) No. 1907/2006, the last amendment (EU) 2015/628 entry 63 of Annex XVII

Test No.:	1			
Sample No.:	B001			
Parameter	Unit	RL	Result	Limit
Cadmium	mg/kg	10	<RL	100
Lead	mg/kg	10	<RL	500

Test No.:	2			
Sample No.:	B002			
Parameter	Unit	RL	Result	Limit
Cadmium	mg/kg	10	<RL	100
Lead	mg/kg	10	<RL	500

Abbreviations:

mg/kg = Milligram per kilogram

RL = Reporting limit

Test Report No.: 178201822c1 001Page 13 of
21**3.9 Extractive Benzophenone in Paper^**

Test method: Extraction acc. to EN 15519; Determination by LC-DAD.

Limit: BfR Recommendations on Food Contact Materials, Part XXXVI, Paper and board for food contact

The following food simulant and condition were applied:

Food simulant	Test duration / Temperature
95% Ethanol	6 hour(s) / 60 °C

Test No.:		1			
Material No.:		B001			
Parameter	CAS No.	Unit	RL	Result	Limit
Benzophenone	119-61-9	mg/kg	0.5	<RL	0.6

Test No.:		2			
Material No.:		B002			
Parameter	CAS No.	Unit	RL	Result	Limit
Benzophenone	119-61-9	mg/kg	0.5	<RL	0.6

Test Report No.: 178201822c1 001

 Page 14 of
21

The following food simulant and condition were applied:

Food simulant	Test duration / Temperature
Isooctane	4 hour(s) / 60 °C

Test No.:		1			
Material No.:		B001			
Parameter	CAS No.	Unit	RL	Result	Limit
Benzophenone	119-61-9	mg/kg	0.5	<RL	0.6

Test No.:		2			
Material No.:		B002			
Parameter	CAS No.	Unit	RL	Result	Limit
Benzophenone	119-61-9	mg/kg	0.5	<RL	0.6

Abbreviations:

RL = Reporting Limit

mg/kg = Milligram per kilogram

< = Less than

Remark:

^ Indicates that the item is tested in TÜV Rheinland (Hongkong) Co., Ltd.

Test Report No.: 178201822c1 001

 Page 15 of
21

3.10 Diisopropylnaphthaline Content (DIPN) ^

Test method: DIN EN 14719:2005

Limit: BfR Recommendations on Food Contact Materials (formerly "Plastics Recommendations"), Part XXXVI "Paper and board for food contact"

Test No.:	1			
Sample No.:	B001			
Parameter	Unit	RL	Result	Limit
Diisopropylnaphthaline	mg/kg	1	<RL	30

Test No.:	2			
Sample No.:	B002			
Parameter	Unit	RL	Result	Limit
Diisopropylnaphthaline	mg/kg	1	<RL	30

Abbreviations:

RL = Reporting limit

mg/kg = Milligram per kilogram

Remark:

*1 According to BfR recommendation part XXXVI "Paper and board for food contact", the DIPN content in paper and board must be as low as technically possible. A value of less than 30 mg/kg is generally accepted.

^ Indicates that the item is tested in TÜV Rheinland (Ningbo) Co., Ltd.

Test Report No.: 178201822c1 001

 Page 16 of
21

3.11 Mineral oil hydrocarbons (MOSH and MOAH) ^

Test method: Determination of hydrocarbons after migration under specified conditions according to: BfR-method - Determination of hydrocarbons from mineral oil (MOSH and MOAH) or plastics (POSH and PAO) in packaging materials and dry foodstuffs by solid phase extraction and GC-FID respectively MSD.

Limit: For MOSH (C20-C35) and MOAH (C16-C35): Proposed twenty-second amendment of German Consumer Product Ordinance

For MOSH (C16-C20) BfR Recommendation on Food Contact Materials (formerly "Plastics Recommendations") Part XXXVI "Paper and board for food contact"

The following food simulants and conditions were applied:

Food simulant	Test duration / Temperature
MPPO	2 hour(s) / 175 °C

Test No.:	1			
Sample No.:	B001			
Migration ratio	0.25 dm ² / g			
Parameter	Unit	RL	Result	Limit
Mineral oil saturated hydrocarbons (MOSH) C20 – C35	mg/kg	0.5	<RL	2
Mineral oil aromatic hydrocarbons (MOAH) C16 – C35	mg/kg	0.5	<RL	0.5
Mineral oil saturated hydrocarbons (MOSH) C16 – C20	mg/kg	0.5	<RL	4

Test Report No.: 178201822c1 001

 Page 17 of
21

Test No.:	2			
Sample No.:	B002			
Migration ratio	0.25 dm ² / g			
Parameter	Unit	RL	Result	Limit
Mineral oil saturated hydrocarbons (MOSH) C20 – C35	mg/kg	0.5	<RL	2
Mineral oil aromatic hydrocarbons (MOAH) C16 – C35	mg/kg	0.5	<RL	0.5
Mineral oil saturated hydrocarbons (MOSH) C16 – C20	mg/kg	0.5	<RL	4

Abbreviations:

RL = Reporting Limit

mg/kg = Milligram per kilogram

Remark:

^ Indicates that the item is tested in TÜV Rheinland (Hongkong) Co., Ltd.

Test Report No.: 178201822c1 001Page 18 of
21**3.12 Determination of Transfer of Antimicrobial Constituents ^**

Test method: DIN EN 1104: 2018: "Paper and board intended to come into contact with foodstuffs - Determination of transfer of antimicrobial constituents"

Limit: BfR Recommendations on Food Contact Materials (formerly "Plastics Recommendations") Part XXXVI "Paper and board for food contact":

Test No.:	1	
Sample No.:	B001	
Parameter	Unit	Result
Aspergillus niger, ATCC 6275		
Growth inhibition zone	mm	< 1
Growth	-	+
Bacillus subtilis, ATCC 6633		
Growth inhibition zone	mm	< 1
Growth	-	+

Test No.:	2	
Sample No.:	B002	
Parameter	Unit	Result
Aspergillus niger, ATCC 6275		
Growth inhibition zone	mm	< 1
Growth	-	+
Bacillus subtilis, ATCC 6633		
Growth inhibition zone	mm	< 1
Growth	-	+

Abbreviations:

- mm = Millimeter
- = Not applicable
- < = Less than
- x = No growth
- +
- ++ = Strong growth

Test Report No.: 178201822c1 001

Page 19 of
21

Remark:

- *1 According to BfR Recommendations on Food Contact Materials (formerly "Plastics Recommendations") Part XXXVI "Paper and board for food contact" the finished paper or paperboard must have no preserving effect on the foodstuffs with which they come into contact.
- *2 An inhibition zone is proven if complete absence of germ growth in an area of at least 2 mm at the borders of the test specimens.
- ^ Indicates that the item is tested in TÜV Rheinland (Shenzhen) Co., Ltd.

Test Report No.: 178201822c1 001Page 20 of
21**3.13 Total Arsenic Content**

Test method: Acid digestion, ICP-OES

Limit: Customer's requirement

Test No.:	1			
Sample No.:	B001			
Parameter	Unit	RL	Result	Limit
Arsenic	mg/kg	10	<RL	30

Test No.:	2			
Sample No.:	B002			
Parameter	Unit	RL	Result	Limit
Arsenic	mg/kg	10	<RL	30

Abbreviations:

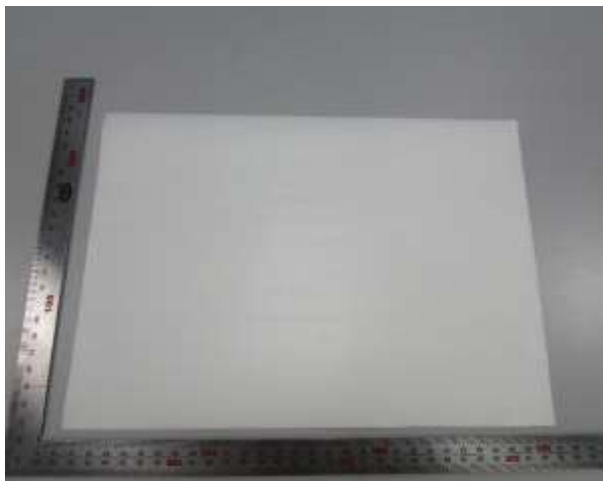
mg/kg = Milligram per kilogram

RL = Reporting Limit

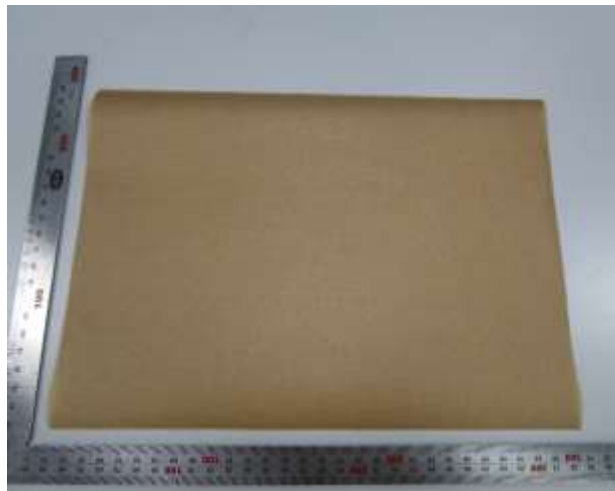
Test Report No.: 178201822c1 001

Page 21 of
21

4. Sample picture(s):



Sample B001



Sample B002

- END -

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

1.	Scope	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 contracts, agreement and/or orders/quotations reached with TÜV Rheinland.	In the event of a violation, TÜV Rheinland shall be entitled to terminate the contract with immediate effect and the client shall compensate for the losses incurred thereof by TÜV Rheinland.		
1.1	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 as the case may be ("TÜV Rheinland"). The Greater China hereof refers to Mainland China, Hong Kong and Taiwan. The client hereof includes:	9.	Acceptance of work	14.	Data protection notice	
	(i) a natural person capable to form legally binding contracts under the applicable laws who concludes the contract not for the purpose of a daily use;	9.1	Any part of the work result ordered which is complete in itself may be presented by TÜV Rheinland for acceptance as an installment. The client shall be obliged to accept it immediately.		TÜV Rheinland processes personal data of the client for the purpose of fulfilling this contract. In addition, TÜV Rheinland also processes the data for other legal purposes in accordance with the relevant legal basis. The personal data of the client will only be disclosed to other natural or legal persons if the legal requirements are met. This also applies to transfers to third countries. The personal data will be deleted immediately as soon as a corresponding reason for deletion arises. Data subjects may exercise the following rights: right of information, right of rectification, right of deletion, right of processing limitation, right of objection, right of data transferability. In addition, persons 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 protection supervisory authority. For further details on the processing of personal data by TÜV Rheinland as the person responsible or contract processor, please refer to the respective data protection information. You can contact the Group Data Protection Officer of TÜV Rheinland by e-mail at datenschutz@de.tuv.com or by post at the following address: TÜV Rheinland AG, c/o Group Data Protection Officer, Am Grauen Stein, 51105 Cologne, Germany.	
	(ii) the incorporated or unincorporated entity duly organized, validly existing and capable to form legally binding contracts under the applicable law.	9.2	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 fundamental breach of contract by TÜV Rheinland.		15.	Test materials/samples: transport risk and storage
1.2	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.	9.3	The client is not entitled to refuse acceptance due to insignificant breach of contract by TÜV Rheinland.		15.1	The risk and costs for freight and transport of documents or test materials/samples to and from TÜV Rheinland as well as the costs of necessary disposal measures shall be borne by the client. TÜV Rheinland will be only liable for the direct loss of test materials/samples in the laboratories or warehouses of TÜV Rheinland only in case of gross negligence.
1.3	Any standard terms and conditions of the client of any nature shall not apply and shall hereby be expressly excluded. No standard contractual terms and conditions of the client shall form part of the contract even if TÜV Rheinland does not explicitly object to them.	9.4	If acceptance is excluded according to the nature of the work performance of TÜV Rheinland, the completion of the work shall take its place.		15.2	Any destroyed and otherwise worthless test materials/samples will be disposed of by TÜV Rheinland for the client at the expense of the client, unless otherwise agreed.
1.4	In the context of an ongoing business relationship with the client, this GTCB shall also apply to future contracts with the client without TÜV Rheinland having to refer to them separately in each individual case.	9.5	During the Follow-Audit stage, if the client was unable to make use of the time windows provided for within the scope of a certification procedure for auditing/performance by TÜV Rheinland and the certificate is therefore to be withdrawn (e.g. performance of surveillance audits), TÜV Rheinland is entitled to immediately charge a lump-sum compensation of 10% of the order amount as compensation for expenses. The client reserves the right to prove that the TÜV Rheinland has incurred no damage whatsoever or only a considerably lower damage than the above lump sum.		15.3	Undamaged test materials/samples shall be stored by TÜV Rheinland for four (4) weeks after completion of the test. If a longer storage period is desired, TÜV Rheinland charges an appropriate storage fee.
2.	Quotations	9.6	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 services are not called within one year after the order has been placed. The client reserves the right to prove that the TÜV Rheinland has incurred no damage whatsoever or only a considerably lower damage than the above mentioned lump sum.		15.4	After the expiry of the 4 weeks or any longer period agreed upon, the test materials/samples will be disposed of by TÜV Rheinland for the client for a fee in accordance with clause 15.2.
3.	Coming into effect and duration of contracts	10.	Confidentiality		15.5	If test materials/samples or documentations are given to the client to be placed in storage at their premises, the test materials/samples or documentations must be made available to TÜV Rheinland upon request promptly and free of charge. If the client, in response to such a request, is incapable of making available the test materials/samples and/or documentation, any liability claims for material and pecuniary damage resulting from the respective testing and certification that is brought forward by the client against TÜV Rheinland shall be voided.
3.1	The contract shall come into effect for the agreed terms upon the quotation letter of TÜV Rheinland or a separate contractual document being signed by both contracting parties, or upon the works requested by the client being carried out by TÜV Rheinland. If the client instructs TÜV Rheinland without receiving a quotation from TÜV Rheinland (quotation), TÜV Rheinland is, in its sole discretion, entitled to accept the order by giving written notice of such acceptance (including notice sent via electronic means) or by performing the requested services.	10.1	For the purpose of these terms and conditions, "confidential information" means all know-how, trade secrets, documents, images, drawings, experience, information, data, test results, reports, samples, project documents, pricing and financial information, customer and supplier information, and marketing techniques and materials, tangible or intangible, that are supplied, transferred or otherwise disclosed by one Party (the "disclosing party") to 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 obtained by TÜV Rheinland (non-personal and not proprietary to the client) within the scope of the provision of services by TÜV Rheinland. TÜV Rheinland is entitled to store, use, further develop and pass on the data obtained in connection with the provision of services for the 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 written form as confidential before passing it onto the receiving party. The same applies to confidential information transmitted by e-mail. If confidential information is disclosed orally, the receiving party shall be appropriately informed in advance and the disclosing party shall confirm in writing the confidentiality nature of the information within five working days of oral disclosure. Where the disclosing party fails to do so within the stipulated period, the receiving party shall not take any confidentiality obligations hereunder towards such information. The client shall avoid using any third party platform and/or system (e.g. Wechat, Dingding, etc. Unauthorized by TÜV Rheinland) to send any confidential information to TÜV Rheinland. Instead, the client shall send any confidential information to company email of TÜV Rheinland employees through its company email. If the client suffers from any losses or damages due to any theft or leakages to be caused by the adoption of any unauthorized confidential information sharing methods mentioned above, TÜV Rheinland shall be waived for any compensation liabilities.		16.	Termination of the contract
3.2	The contract term starts upon the coming into effect of the contract in accordance with article 3.1 and shall continue for the term agreed in the contract.		All confidential information which the disclosing party transmits or otherwise discloses to the receiving party and which is created during performance of work by TÜV Rheinland:		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.
3.3	If the contract provides for an extension of the contract term, the contract term will be extended by the term provided for in the contract unless terminated in writing by either party with a six-week notice prior to the end of the contractual term.		a) 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;		16.2	For good cause, TÜV Rheinland may consider giving a written notice to the client to terminate the contract which includes but not limited to the following:
4.	Scope of services		b) 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, accreditation bodies or third parties that are involved in the performance of the contract;		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;
4.1	The scope and type of the services to be provided by TÜV Rheinland shall be specified in the contractually agreed service scope of TÜV Rheinland by both parties. If no such separate service scope of TÜV Rheinland exists, then the written confirmation of order by TÜV Rheinland shall be decisive for the service to be provided.		c) must be treated by the receiving party with the same level of confidentiality as the receiving party uses to protect its own confidential information, but never with a lesser level of confidentiality than that which is reasonably required.		b)	the client misses the certificate or certification mark or uses it in violation of the contract;
4.2	The agreed services shall be performed in compliance with the regulations in force at the time the contract is entered into.	10.3	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 its employees to observe the same level of secrecy as set forth in this confidentiality clause.		c)	in the event of several consecutive delays in payment (at least three times);
4.3	TÜV Rheinland is entitled to determine, in its sole discretion, the method and nature of the assessment unless otherwise agreed in writing or if mandatory provisions require a specific procedure to be followed.		Information for which the receiving party can furnish proof that:		d)	a substantial deterioration of the financial circumstances of the client occurred and as a result the payment claims of TÜV Rheinland under the contract are considerably endangered and TÜV Rheinland cannot reasonably be expected to continue the contractual relationship.
4.4	On execution of the work there shall be no simultaneous assumption of any guarantee of the correctness (proper quality) and working order of either tested or examined parts nor of the installation as a whole and its upstream and/or downstream processes, organisations, use and application in accordance with regulations, nor of the systems on which the installation is based. In particular, TÜV Rheinland shall assume no responsibility for the construction, selection of materials and assembly of installations examined, nor for their use and application in accordance with regulations, unless these questions are expressly covered by the contract.	10.4	a) 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		e)	in the event of any serious misrepresentation, be it by intentional fraud or grossly negligent behavior of the managers, employees or agents of the client;
4.5	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.		b) it was disclosed to the receiving party by a third party entitled to disclose this information; or		f)	if TÜV Rheinland, for reasons beyond its control, is temporarily or finally not able or entitled to continue or finalize the performance of the service, e.g. in case of force majeure, government interference, sanctions, loss of accreditation or notification, or other.
4.6	If mandatory legal regulations and standards or official requirements for the agreed service scope change after conclusion of the contract, with a written notice to the client, TÜV Rheinland shall be entitled to additional remuneration for resulting additional expenses.	10.5	c) the receiving party already possessed this information prior to disclosure by the disclosing party; or		16.3	In the event of termination with written notice by TÜV Rheinland for good cause, TÜV Rheinland shall be entitled to a lump-sum compensation for damages against the client if the conditions of a claim for damages exist. In this case, the client shall be liable for 15% of the remuneration to be paid until the end of the fixed contract term as lump-sum compensation. The client reserves the right to prove that there is no damage or a considerably lower damage. TÜV Rheinland reserves the right to prove a considerably higher damage in individual cases.
4.7	The services to be provided by TÜV Rheinland under the contract are agreed exclusively with the client. A contract of third parties with the services of TÜV Rheinland, as well as making available of and justifying confidence in the work results (test reports, test results, expert reports, etc.) is not part of the 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.		d) the receiving party developed it itself, irrespective of disclosure by the disclosing party, shall not be deemed to constitute "confidential information" as defined in this confidentiality clause.		16.4	TÜV Rheinland is also entitled to terminate the contract with written notice if the client has not been able to make use of the time windows for auditing /service provision provided by TÜV Rheinland within the scope of a certification procedure and the certificate therefore has to be withdrawn (for example during the performance of monitoring audits). Clause 16.3 applies accordingly.
5.	Performance periods/dates	10.6	All 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) request by the disclosing party, to destroy all confidential information, including all copies, and confirm the destruction of this confidential information to company email of TÜV Rheinland if so requested by the disclosing party but at the latest and without special request after termination or expiry of the contract. This does not extend to include reports and certificates prepared for the client solely for the purpose of fulfilling the obligations under the contract, which shall remain with the client. However, TÜV Rheinland is entitled to make file copies of such reports, certificates and confidential information that forms the basis for preparing these reports and certificates in order to evidence the correctness of its results and for general documentation purposes required by law, regulations and the requirements of working procedures of TÜV Rheinland.		17.	Force Majeure
5.1	The contractually agreed periods/dates of performance are based on estimates of the work involved which are prepared in line with the details provided by the client. They shall only be binding if being confirmed as binding by TÜV Rheinland in writing.	10.7	From the start of the contract and for a period of three years after termination or expiry of the contract, the receiving party shall maintain strict secrecy of all confidential information and shall not disclose this information to any third parties or use it for itself.		17.1	"Force Majeure" means the occurrence of an event or circumstance that prevents or impedes a Party from performing the time or more of its contractual obligations under the contract, if and to the extent that that Party proves that (a) that such impediment 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 avoided or overcome by the affected Party.
5.2	If binding periods of performance have been agreed, these periods shall not commence until the client has submitted all required documents to TÜV Rheinland.	11.	Copyrights and rights of use, publications		17.2	In the absence of proof to the contrary, the following events affecting a Party shall be presumed to fulfil conditions (a) and (b) under paragraph 1 of this Clause: (i) war (whether declared or not), hostilities, invasion, act of foreign enemies, extensive military mobilization; (ii) civil war, riot, rebellion and revolution, military or usurped power, insurrection, act of terrorism, sabotage or piracy; (iii) currency and trade restriction, embargo, sanction; (iv) act of authority whether lawful or unlawful, compliance with any law or governmental order, expropriation, seizure of works, requisition, nationalization; (v) plague, epidemic, natural disaster or extreme natural event; (vi) explosion, fire, destruction of equipment, prolonged breakdown of transport, telecommunication, information system or energy; (vii) general labor disturbance such as boycott, strike and lock-out, go-slow, occupation of factories and premises.
5.3	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.	11.1	TÜV Rheinland shall retain all exclusive copyrights in the reports, expert reports/opinions, test reports/results, results, calculations, presentations etc. prepared by TÜV Rheinland, unless otherwise agreed by the parties in a separate agreement. As the owner of the copyrights, TÜV Rheinland is free to grant others the right to use the work results for individual or all types of use ("right of use") without any further compensation.		17.3	The Party successfully invoking this Clause is relieved from its duty to perform its obligations under the contract and from any liability in damages or from any other contractual remedy for breach of contract, from the time at which the impediment causes inability to perform, provided that the notice thereof is given without delay. If notice thereof is not given without delay, the relief is effective from the time at which notice thereof reaches the other Party. Where the effect of the impediment or event invoked is temporary, the above consequences shall apply only as long as the impediment invoked impedes performance by the affected Party. Where the duration of the impediment invoked has the effect of substantially depriving the contracting Parties of the work they were reasonably entitled to expect under the contract, either Party has the right to terminate the contract by notification within a reasonable period to the other Party. Unless otherwise agreed, the Parties expressly agree that the contract may be terminated by either Party if the duration of the impediment exceeds 120 days.
5.4	TÜV Rheinland is not responsible for a delay in performance, in particular if the client has not fulfilled his duties to cooperate in accordance with clause 6.1 or has not done so in time and, in particular, has not provided TÜV Rheinland with all documents and information required for the performance of the service as specified in the contract.	11.2	The client receives a single, limited, non-transferable, non-sublicensable right of use to the contents of the work results produced within the scope of the contract, unless otherwise agreed by the parties in a separate agreement. The client may only use such reports, expert reports/opinions, test reports/results, results calculations, presentations etc. prepared within the scope of the contract for the contractually agreed purpose.		18.	Hardship
5.5	If the performance of TÜV Rheinland is delayed due to unforeseeable circumstances such as force majeure, strikes, business disruptions, governmental regulations, transport obstacles, etc., TÜV Rheinland is entitled to postpone performance for a reasonable period of time which corresponds at least to the duration of the hindrance plus any time period which may be required to resume performance.	11.3	The transfer of right of use of the generated work results regulated in clause 11.2 of the GTCB is subject to full payment of the remuneration agreed in favour of TÜV Rheinland.		18.1	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.
6.	The client's obligation to cooperate	11.4	The client may use work results only complete and unshortened. The client may only pass on the work results in full unless TÜV Rheinland has given its prior written consent to the partial passing on of work results.		18.2	Notwithstanding paragraph 1 of this Clause, where a Party proves that:
6.1	The client shall guarantee that all cooperation required on its part, its agents or third parties will be provided in good time and at no cost to TÜV Rheinland.	11.5	Any publication or duplication of the work results for advertising purposes or for any further use of the work results beyond the scope regulated in clause 11.2 needs the prior written approval of TÜV Rheinland in each individual case.		a)	the continued performance of its contractual duties has become excessively onerous due to an event beyond its 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
6.2	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:	11.6	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.		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.
	a) it has required statutory qualifications;	11.7	The consent of TÜV Rheinland to publication or duplication of the work results does not entitle the client to use the corporate logo, corporate design or reidentification mark of TÜV Rheinland.		18.3	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 arbitrator without the agreement of the other Party.
	b) the product, service or management system to be certified complies with applicable laws and regulations; and	12.	Liability of TÜV Rheinland		19.	Partial invalidity, written form, place of jurisdiction and dispute resolution
	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.	12.1	Respective of the legal basis, to the fullest extent permitted by applicable law, in the event of a breach of contractual obligations or tort, the liability of TÜV Rheinland for all damages, losses and reimbursement of expenses caused by TÜV Rheinland, its legal representatives and/or employees shall be limited to: (i) in the case of a contract with a fixed overall fee, three times the overall fee for the entire contract; (ii) in the case of a contract for annually recurring services, the agreed annual fee; (iii) in the case of a contract expressly charged on a time and material basis, a maximum of 20,000 Euro or equivalent amount in local currency; and (iv) in the case of a framework agreement that provides for the possibility of placing individual orders, three times of the fee for the individual order under which the damages or losses have occurred. Notwithstanding the above, in the event that the total and accumulated liability calculated according to the foregoing provisions exceeds 2.5 Million Euro or equivalent amount in local currency, the total and accumulated liability of TÜV Rheinland shall be only limited to and shall not exceed the said 2.5 Million Euro or equivalent amount in local currency.		19.1	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.
6.3	If the client breaches the aforesaid representations and warranties, TÜV Rheinland is entitled to i) immediately terminate the contract/order without prior notice; and ii) withdraw the issued testing report/certificates if any.	12.2	The limitation of liability according to article 12.1 above shall not apply to damages and/or losses caused by malice, intent or gross negligence on the part of TÜV Rheinland or its vicarious agents. Such limitation shall not apply to damages for a person's death, physical injury or illness.		19.2	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.
7.	Prices	12.3	In cases involving a fundamental breach of contract, TÜV Rheinland will be liable even where minor negligence is involved. For this purpose, a "fundamental breach" is breach of a material contractual obligation, the performance of which permits the non-performance of the contract. Any claim for damages for a fundamental breach of contract shall be limited to the amount of damages reasonably foreseen as a possible consequence of such breach of contract at the time of the breach (reasonably foreseeable damages), unless any of the circumstances described in article 12.2 applies.		19.3	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:
7.1	If the scope of performance is not laid down in writing when the order is placed, invoicing shall be based on costs actually incurred. If no price is agreed in writing, invoicing shall be made in accordance with the price list of TÜV Rheinland valid at the time of performance.	12.4	TÜV Rheinland shall not be liable for the acts of the personnel made available by the client to support TÜV Rheinland in the performance of its services under the contract, unless such personnel made available is regarded as vicarious agent of TÜV Rheinland. If TÜV Rheinland is not liable for the acts of the personnel made available by the client under the foregoing provision, the client shall indemnify TÜV Rheinland against any claims made by third parties arising from or in connection with such personnel's acts.		a)	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.
7.2	Unless otherwise agreed, work shall be invoiced according to the progress of the work.	12.5	Unless otherwise contractually agreed in writing, TÜV Rheinland shall only be liable under the contract to the client.		b)	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.
7.3	If the execution of an order extends over more than one month and the value of the contract or the agreed fixed price exceeds €2,500.00 or equivalent value in local currency, TÜV Rheinland may demand payments on account or in installments.	12.6	The limitation periods for claims for damages shall be based on statutory provisions.		c)	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.
8.	Payment terms	12.7	None of the provisions of this article 12 changes the burden of proof to the disadvantage of the client.		19.4	Any dispute in connection with the contract and these terms and conditions or the execution thereof shall be settled friendly through negotiations.
8.1	All invoice amounts shall be due for payment without deduction on receipt of the invoice. No discounts and rebates shall be granted.	13.	Export control			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 to arbitration.
8.2	Payments shall be made to the bank account of TÜV Rheinland as indicated on the invoice, stating the invoice and client numbers.	13.1	When passing on the services provided by TÜV Rheinland or parts thereof to third parties in Greater China or other regions, the client must comply with the respectively applicable regulations of national and international export control law.		a)	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 (CIETAC) to be settled by arbitration under the Arbitration Rules of CIETAC in force when the arbitration is submitted in accordance with these rules. The arbitration shall take place in Beijing, Shanghai, Shenzhen or Chongqing as appropriately chosen by the claiming party.
8.3	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.	13.2	The performance of a contract with the client is subject to the proviso that there are no obstacles to performance due to national or international foreign trade legislations or embargos and/or sanctions.		b)	in the case of TÜV Rheinland in question being legally registered and existing in Taiwan, to Chinese Arbitration Association, Taipei to be arbitrated in accordance with its then current Rules of Arbitration. The arbitration shall take place in Taipei.
8.4	Should the client default in payment of the invoice despite being granted a reasonable grace period, TÜV Rheinland shall be entitled to cancel the contract, withdraw the certificate, claim damages for non-performance and refuse to continue performance of the contract.				c)	in the case of TÜV Rheinland being legally registered and existing in Hong Kong, to Hong Kong International Arbitration Center (HKIAC) to be settled by arbitration under the HKIAC Administered Arbitration Rules in force when the Notice of Arbitration is submitted in accordance with these rules. The arbitration shall take place in Hong Kong.
8.5	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.					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.
8.6	Objections to the invoices of TÜV Rheinland shall be submitted in writing within two weeks of receipt of the invoice.					
8.7	TÜV Rheinland shall be entitled to demand appropriate advance payments.					
8.8	TÜV Rheinland shall be entitled to raise its fees at the beginning of a month if overheads and/or purchase costs have increased. In this case, TÜV Rheinland shall notify the client in writing of the rise in fees. 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 contractual year, the client shall not have the right to terminate the contract. If the rise in fees exceeds 5% per contractual year, the client shall be entitled to terminate the contract by the end of the period of notice of changes in fees. If the contract is not terminated, the changed fees shall be deemed to have been agreed upon by the time of the expiry of the notice period.					
8.9	Only legally established and undisputed claims may be offset against claims by TÜV Rheinland.					



SUBJECT Chemical Test

TEST LOCATION TÜV SÜD China

TÜV SÜD Products Testing (Shanghai) Co., Ltd.
B-3/4, No.1999 Du Hui Road, Minhang District
Shanghai 201108, P.R. China

TEST PERIOD 25-Apr-2023~04-Jul-2023

RESULT SUMMARY

Summary of all the tested Perfluoroalkyl and polyfluoroalkyl substances (PFAS)

See Detailed Enclosed

Prepared By

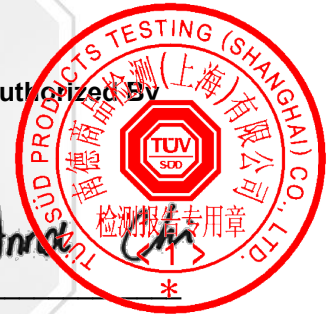
Minnie Gu

(Minnie Gu)
Report Drafter

Authorized By

Anna Chi

(Anna Chi)
Authorized Signatory



Note: (1) General Terms & Conditions as mentioned overleaf. (2) The results relate only to the items tested. (3) The test report shall not be reproduced except in full without the written approval of the laboratory. (4) Without the agreement of the laboratory, the client is not authorized to use the test results for unapproved propaganda.



SAMPLE SOURCE/ RECEIPT DATE / TEST DATE

Logistics Express/ 25-Apr-2023/ 25-Apr-2023

THE FOLLOWING SAMPLE(S) WAS/WERE SUBMITTED

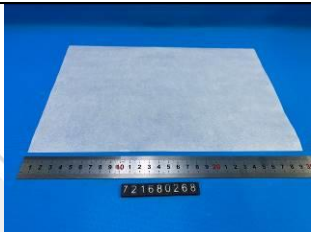
BY/ ON BEHALF OF THE CLIENTS AS

Sample Name: Silicone coated baking paper

Sample Specification: /

Batch No./Date: /

Manufacturer: /

SAMPLE NO.	DESCRIPTION	PHOTOGRAPH
721680268	White paper	

TEST RESULT(S)

- Summary of all the tested Perfluoroalkyl and polyfluoroalkyl substances (PFAS)
 - Test method: In house method, solvent extraction and determination by LC/MS/MS, GC/MS and GC/MS/MS

No.	Test Item(s)	CAS No.	Result(s) [mg/kg]	Detection Limit [mg/kg]
1	Perfluorohexanoic acid (PFHxA)	307-24-4	ND	0.01
2	N-ET-FOSE alcohol (N-ET-FOSE)	1691-99-2	ND	0.01
3	Perfluorooctansulfonate (PFOS)	1763-23-1	ND	0.01
4	Potassium perfluorooctanoate (PFOA-K)	2395-00-8	ND	0.01
5	N-Me-FOSE alcohol (N-Me-FOSE)	24448-09-7	ND	0.01
6	Perfluorododecanoic Acid (PFDoA)	307-55-1	ND	0.01
7	Ethyl perfluorooctanoate (Et-PFOA)	3108-24-5	ND	0.01
8	N-Methylheptadecafluorooctane-sulphonamide (N-Me-FOSA)	31506-32-8	ND	0.01
9	Perfluorooctanoyl fluoride (PFOA-F)	335-66-0	ND	0.01
10	Perfluorooctanoic acid (PFOA)	335-67-1	ND	0.01
11	Perfluorodecanoic acid (PFDA)	335-76-2	ND	0.01
12	Silver perfluorooctanoate (PFOA-Ag)	335-93-3	ND	0.01



13	Sodium perfluorooctanoate (PFOA-Na)	335-95-5	ND	0.01
14	Perfluorohexane Sulfonate (PFHxS)	355-46-4	ND	0.01
15	Heptafluorobutyric acid(PFBA)	375-22-4	ND	0.01
16	Perfluoroheptane Acid (PFHpA)	375-85-9	ND	0.01
17	perfluorononanoic acid (PFNA)	375-95-1	ND	0.01
18	Methyl perfluorooctanoate (Me-PFOA)	376-27-2	ND	0.01
19	Ammonium Pentadecafluorooctanoate (APFO)	3825-26-1	ND	0.01
20	N-Ethylperfluorooctane-1-sulfonamide (N-Et-FOSA)	4151-50-2	ND	0.01
21	Perfluorotridecanoic Acid (PFTrA)	72629-94-8	ND	0.01
22	Perfluorooctane sulphonamide(PFOSA)	754-91-6	ND	0.01
23	Perfluoropentanoic acid (PFPA)	2706-90-3	ND	0.01
24	7H-Dodecafluoroheptanoic acid (HPFHpA)	1546-95-8	ND	0.01
25	Nonafluoro-1-butanesulfonic Acid (PFBS)	375-73-5	ND	0.01
26	potassiumnonafluoro-1-butanesulfonate (PFBS-K)	29420-49-3	ND	0.01
27	3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctane-1-sulfonic acid (H ₄ PFOS 6:2)	27619-97-2	ND	0.01
28	TetrabutylphosphoniumH ₂ PFDA	882489-14-7	ND	0.01
29	sodium perfluorohexanesulfonate (PFHxS-Na)	82382-12-5	ND	0.01
30	Potassium Perfluorohexanesulfonate (PFHxS-K)	3871-99-6	ND	0.01
31	sodium perfluorononanoate (PFNA-Na)	21049-39-8	ND	0.01
32	ammonium perfluorononanoate (APFN)	4149-60-4	ND	0.01
33	2,2,3,4,4,5,5,6,6,7,8,8,8-tridecafluoro-3,7-bis(trifluoromethyl)octanoic acid (PF-3,7-DMOA)	172155-07-6	ND	0.01
34	perfluoroheptanesulfonic acid (PFHpS)	375-92-8	ND	0.01
35	sodium 1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptane-1-sulphinate (PFHpS-Na)	68555-66-8	ND	0.01
36	sodium nonadecafluorodecanoate (PFDA-Na)	3830-45-3	ND	0.01
37	ammonium nonadecafluorodecanoate (APFDA)	3108-42-7	ND	0.01
38	2-aminotoluene-5-sulfonic acid (PFUnA)	34598-33-9	ND	0.01
39	perfluorooctylsulfonylfluoride/Fc-8 (PFOSF/POSF)	307-35-7	ND	0.01
40	Potassium heptadecafluoro-1-octanesulfonate (PFOS-K)	2795-39-3	ND	0.01
41	Ammonium perfluorooctylsulfonate (PFOS-NH ₄)	29081-56-9	ND	0.01
42	1-Decanaminium, N-decyl-N,N-dimethyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-1-	251099-16-8	ND	0.01



	octanesulfonic acid (PFOS-DDA)			
43	bis(2-hydroxyethyl)ammonium perfluorooctanesulfonate (PFOS-NH(OH) ₂)	70225-14-8	ND	0.01
44	heptadecafluoro-1-octanesulfonic acid lithium salt (PFOS-Li)	29457-72-5	ND	0.01
45	Heptadecafluorooctanesulfonic acid tetraethylammonium salt (PFOS-N(C ₂ H ₅) ₄)	56773-42-3	ND	0.01
46	perfluoroundecanoic acid (PFUdA)	2058-94-8	ND	0.01
47	sodium perfluorodecanesulfonate (PFDS-Na)	2806-15-7	ND	0.01
48	potassium henicosafuorodecanesulphonate (PFDS-K)	2806-16-8	ND	0.01
49	ammonium henicosafuorodecanesulphonate (PFDS-NH ₄)	67906-42-7	ND	0.01
50	Perfluorotetradecanoic acid (PFTeA)	376-06-7	ND	0.01
51	3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecanesulphonic acid (8:2FTS)	39108-34-4	ND	0.01
52	2-(Perfluorooctyl)ethanol (8:2FTOH)	678-39-7	ND	0.2
53	1H,1H,2H,2H-Heptadecafluorodecyl acrylate (8:2FTA)	27905-45-9	ND	0.2
54	2-(Perfluorooctyl)ethyl methacrylate (8:2FTMA)	1996-88-9	ND	0.2
55	Perfluorooctyl iodide (PFOI)	507-63-1	ND	0.5
56	3,3,4,4,5,5,6,6,6-Nonafluoro-1-hexanol (4:2FTOH)	2043-47-2	ND	0.2
57	3,3,4,4,5,5,6,6,7,7,8,8,8-Tridecafluoro-1-octanol (6:2FTOH)	647-42-7	ND	0.2
58	1H,1H,2H,2H-Perfluorooctyl acrylate (6:2FTA)	17527-29-6	ND	0.2
59	2-(Perfluorodecyl)ethyl acrylate (10:2FTA)	17741-60-5	ND	0.2
60	1,1,2,2-Tetrahydroperfluoro dodecanol (10:2FTOH)	865-86-1	ND	0.2
61	Sodium Perfluoro-1-octanesulfonate (PFOS-Na)	4021-47-0	ND	0.01
62	Sodium heptafluorobutanoate (PFBA-Na)	2218-54-4	ND	0.01
63	Heptafluorobutyramide (PFBA-NH ₂)	662-50-0	ND	0.01
64	Sodium perfluorovalerate (PFPA-Na)	2706-89-0	ND	0.01
65	Potassium perfluoropentanoate (PFPA-K)	336-23-2	ND	0.01
66	Sodium 2,2,3,3,4,4,5,5,6,6,6-undecafluorohexanoate (PFHxA-Na)	2923-26-4	ND	0.01
67	Potassium perfluorohexanoate (PFHxA-K)	3109-94-2	ND	0.01
68	Ammonium undecafluorohexanoate (PFHxA-NH ₄)	21615-47-4	ND	0.01
69	sodium,2,2,3,3,4,4,5,5,6,6,7,7-dodecafluoroheptanoate (HPFHpA-Na)	2264-25-7	ND	0.01
70	sodium,2,2,3,3,4,4,5,5,6,6,7,7,7-tridecafluoroheptanoate (PFHpA-Na)	20109-59-5	ND	0.01



71	Potassium perfluoroheptanoate (PFHpA-K)	21049-36-5	ND	0.01
72	Tridecafluoroheptanamide (PFHpA-NH ₂)	2358-22-7	ND	0.01
73	Nonafluorobutanesulfonic acid hydrate (PFBS-H ₂ O)	59933-66-3	ND	0.01
74	Perfluorooctadecanoic acid (PFODA)	16517-11-6	ND	0.01
75	Perfluorohexadecanoic acid (PFHxDA)	67905-19-5	ND	0.01
76	2H,2H-Perfluorodecanoic acid (H2PFDA)	27854-31-5	ND	0.01
77	Potassium Perfluoroheptanesulfonate (PFHpS-K)	60270-55-5	ND	0.01
78	2-(Perfluorohexyl)ethyl methacrylate (6:2 FTMAC)	2144-53-8	ND	0.2
79	N-Methylperfluoro-1-octanesulfonamidoacetic Acid (N-MeFOSAA)	2355-31-9	ND	0.01
80	1H,1H,2H,2H-Perfluorodecyltriethoxysilane (PFSl)	101947-16-4	ND	0.2
81	1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-Heptadecafluoro-10-iododecane (8:2 FTI)	2043-53-0	ND	0.2
82	Perfluoro(2-methyl-3-oxahexanoic) acid (HFPO-DA)	13252-13-6	ND	0.01
83	1-Pentanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,5-undecafluoro- (PFPS)	2706-91-4	ND	0.01
84	Pentafluoropropionic acid (PFPrA)	422-64-0	ND	0.01
85	Sodium pentafluoropropionate (PFPrA-Na)	378-77-8	ND	0.01
86	Potassium pentafluoropropionate (PFPrA-K)	378-76-7	ND	0.01
87	Bis[2-(perfluorooctyl)ethyl] Phosphate (8:2diPAP)	678-41-1	ND	0.01
88	1H,1H,2H,2H-Perfluorohexanesulfonic acid(4:2FTS)	757124-72-4	ND	0.01
89	magnesium bis[heptadecafluorooctanesulphonate	91036-71-4	ND	0.01
90	1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctane-1-sulfonic acid,piperidine	71463-74-6	ND	0.01
91	1H,1H,2H,2H-Perfluorododecansulfonsaure (10:2FTS)	120226-60-0	ND	0.01
92	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations thereof)	--	ND	0.01
93	Ammonium Perfluorododecanoate (PFDODA-NH ₄)	3793-74-6	ND	0.01
94	1H,1H,2H,2H-Perfluorododecyl methacrylate (10:2 FTMA)	2144-54-9	ND	0.2
95	H,1H,2H,2H-perfluorotetradecan-1-ol (12:2 FTOH)	39239-77-5	ND	0.2
96	1H,1H,2H,2H-Perfluorododecyl iodide (10:2 FTI)	2043-54-1	ND	0.2
97	1H,1H,2H,2H-Perfluorotetradecyl iodide (12:2 FTI)	30046-31-2	ND	0.2
98	1-Hexanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-methyl- (N-Me-FHxSA)	68259-15-4	ND	0.01
99	1-Hexanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro- (PFHxSA)	41997-13-1	ND	0.01



100	Perfluorodecanesulfonic acid (PFDS)	335-77-3	ND	0.01
101	Nonafluoropentanoic acid, ammonium salt (PFPA-NH ₄)	68259-11-0	ND	0.01
102	N-ethylperfluorooctane sulfonamidoacetic acid (N-EtFOSAA)	2991-50-6	ND	0.01
103	Potassium perfluoropentane-1-sulphonate (PFPS-K)	3872-25-1	ND	0.01
104	Sodium perfluoropentanesulfonate (PFPS-Na)	630402-22-1	ND	0.01
105	Perfluorooctanesulfonate (PFOS-)	45298-90-6	ND	0.01
106	Perfluorooctanoate (PFOA-)	45285-51-6	ND	0.01
107	Lithium perfluorooctanoate (PFOA-Li)	17125-58-5	ND	0.01
108	Pentadecafluorooctanoic acid-pyridine (1/1) (PFOA-Pyridine)	95658-47-2	ND	0.01
109	Perfluorooctanoate N,N,N-trimethylmethanaminium (PFOA-Tetramethylammonium)	32609-65-7	ND	0.01
110	Perfluorononanoate (PFNA-)	72007-68-2	ND	0.01
111	Silver perfluorononanoate (PFNA-Ag)	7358-16-9	ND	0.01
112	Potassium perfluorononanoate (PFNA-K)	21049-38-7	ND	0.01
113	Methanaminium perfluorononanoate (PFNA-CH ₃ NH ₂)	77032-23-6	ND	0.01
114	Cyclohexanaminium perfluorononanoate (PFNA-C ₆ H ₁₁ NH ₂)	328531-06-2	ND	0.01
115	N,N-Diethylethanaminium heptadecafluorononanoate (PFNA-(C ₂ H ₅) ₃ N)	327176-80-7	ND	0.01
116	Silver perfluorobutanoate (PFBA-Ag)	3794-64-7	ND	0.01
117	Perfluorobutanoate (PFBA-)	45048-62-2	ND	0.01
118	Ammonium perfluorobutanoate (PFBA-NH ₃)	10495-86-0	ND	0.01
119	Potassium perfluorobutyrate (PFBA-K)	2966-54-3	ND	0.01
120	Lithium perfluorobutanoate (PFBA-Li)	4146-76-3	ND	0.01
121	Tetraethylazanium nonafluorobutane-1-sulfonate (PFBS-Triethylethanaminium)	25628-08-4	ND	0.01
122	Ammonium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphonate (PFBS-NH ₄)	68259-10-9	ND	0.01
123	Perfluorobutanesulfonate (PFBS-)	45187-15-3	ND	0.01
124	Tetramethylammonium perfluorobutane sulfonate (PFBS-Tetramethylammonium)	25628-17-5	ND	0.01
125	Sodium perfluorobutylsulfonate (PFBS-Na)	60453-92-1	ND	0.01
126	Lithium nonafluorobutanesulfonate (PFBS-Li)	131651-65-5	ND	0.01
127	Bis(2-hydroxyethyl)ammonium perfluorobutanesulfonate (PFBS-(CH ₂ CH ₂ OH) ₂ NH)	70225-18-2	ND	0.01
128	1,1,2,2,3,3,4,4,4-nonafluoro-N-(2-hydroxyethyl)-N-methylbutane-1-sulphonamide (PFBS-N-(2-hydroxyethyl)-N-methyl)	34454-97-2	ND	0.01



129	Perfluoropentanoate (PFPA-)	45167-47-3	ND	0.01
130	Silver perfluoropentanoate (PFPA-Ag)	2795-30-4	ND	0.01
131	Lithium perfluoropentanoate (PFPA-Li)	198482-22-3	ND	0.01
132	Silver perfluorohexanoate (PFHxA-Ag)	336-02-7	ND	0.01
133	Perfluorohexanoate (PFHxA-)	92612-52-7	ND	0.01
134	Lithium perfluorohexanoate (PFHxA-Li)	90430-61-8	ND	0.01
135	Undecafluorohexanoic acid-piperazine (1:1) (PFHxA-piperazine)	423-47-2	ND	0.01
136	Undecafluorohexanoic acid--hexan-1-amine (1/1) (PFHxA-Hexylamine)	565225-91-4	ND	0.01
137	Ammonium 2,2,3,3,4,4,5,5,6,6,7,7- dodecafluoroheptanoate (HPFHpA-NH ₄)	376-34-1	ND	0.01
138	7-H-Perfluoroheptanoate (HPFHpA-)	69681-35-2	ND	0.01
139	3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctane-1- sulfonate (6:2 FTSA ion)	425670-75-3	ND	0.01
140	3,3,4,4,5,5,6,6,7,7,8,8,8-Tridecafluoro-1- octanesulfonic Acid Ammonium Salt (6:2 FTSA-NH ₄)	59587-39-2	ND	0.01
141	Perfluorohexanesulfonate (PFHxS-)	108427-53-8	ND	0.01
142	Triethylammonium perfluorohexane sulfonate (PFHxS-Triethylammonium)	72033-41-1	ND	0.01
143	Tetraethylammonium perfluorohexane sulfonate (PFHxS-tetraethylammonium)	108427-55-0	ND	0.01
144	Lithium perfluorohexanesulfonate (PFHxS-Li)	55120-77-9	ND	0.01
145	Ammonium perfluorohexanesulfonate (PFHxS-NH ₄)	68259-08-5	ND	0.01
146	Bis(2-hydroxyethyl)ammonium perfluorohexanesulfonate (PFHxS--Bis(2-hydroxyethyl)ammonium)	70225-16-0	ND	0.01
147	Nonadecafluorodecanoate (PFDA-)	73829-36-4	ND	0.01
148	Potassium perfluorodecanoate (PFDA-K)	51604-85-4	ND	0.01
149	Lithium perfluorodecanoate (PFDA-Li)	84743-32-8	ND	0.01
150	Silver perfluorodecanoate (PFDA-Ag)	5784-82-7	ND	0.01
151	Perfluorodecanesulfonate (PFDS-)	126105-34-8	ND	0.01
152	Perfluoroheptanesulfonate (PFHpS-)	146689-46-5	ND	0.01
153	Bis(2-hydroxyethyl)ammonium perfluoroheptanesulfonate (PFHpS-Bis(2-hydroxyethyl)ammonium)	70225-15-9	ND	0.01
154	Ammonium perfluoroheptanesulfonate (PFHpS-NH ₄)	68259-07-4	ND	0.01
155	Triethylammonium perfluoroheptane sulfonate (PFHpS-Triethylammonium)	72033-40-0	ND	0.01
156	Perfluoropentanesulfonate (PFPS-)	175905-36-9	ND	0.01



157	Ammonium 1,1,2,2,3,3,4,4,5,5,5-undecafluoropentane-1-sulphonate (PFPS-NH ₄)	68259-09-6	ND	0.01
158	Bis(2-hydroxyethyl) ammonium perfluoropentanesulfonate (PFPS-Bis(2-hydroxyethyl)ammonium)	70225-17-1	ND	0.01
159	Triethylammonium perfluoropentane sulfonate (PFPS-Triethylammonium)	72033-42-2	ND	0.01
160	Lithium perfluoropentane sulfonate (PFPS-Li)	1046864-81-6	ND	0.01
161	Silver perfluoropropanoate (PFPrA-Ag)	509-09-1	ND	0.01
162	Perfluoropropanoate (PFPrA-)	44864-55-3	ND	0.01
163	Ammonium pentafluoropropionate (PFPrA-NH ₄)	2730-58-7	ND	0.01
164	Potassium 1H,1H,2H,2H-perfluoroundecanoate (H ₄ PFUnA-K)	83310-58-1	ND	0.01
165	Lithium 3-(perfluorooctyl)propanoate (H ₄ PFUnA-Li)	67304-23-8	ND	0.01
166	Heptadecafluorooctane-1-sulphonamide, compound with triethylamine (1:1) (PFOSA-triethylamine)	76752-82-4	ND	0.01
167	Perfluorooctanesulfonamide lithium salt (1:1) (PFOSA-Li)	76752-79-9	ND	0.01
168	Perfluorooctanesulfonamide sodium salt (1:1) (PFOSA-Na)	76752-78-8	ND	0.01
169	Perfluoroundecanoate (PFUnA-)	196859-54-8	ND	0.01
170	Sodium perfluoroundecanoate (PFUnA-Na)	60871-96-7	ND	0.01
171	Potassium perfluoroundecanoate (PFUnA-K)	30377-53-8	ND	0.01
172	Ammonium perfluoroundecanoate (PFUnA-NH ₄)	4234-23-5	ND	0.01
173	Perfluorododecanoate (PFDoA-)	171978-95-3	ND	0.01
174	Sodium Perfluorododecanoate (PFDoA-Na)	60872-01-7	ND	0.01
175	Perfluorotridecanoate (PFTrA-)	862374-87-6	ND	0.01
176	Ammonium perfluorotridecanoate (PFTrA-NH ₄)	4288-72-6	ND	0.01
177	Perfluorotetradecanoate (PFTeA-)	365971-87-5	ND	0.01
178	4:2 Fluorotelomer sulfonate (4:2 FTS-)	414911-30-1	ND	0.01
179	Sodium 1H,1H,2H,2H-perfluoro-1-hexanesulfonate (4:2 FTS-Na)	27619-93-8	ND	0.01
180	2-(Perfluorooctyl)ethane-1-sulfonate (8:2FTS-)	481071-78-7	ND	0.01
181	8:2 Fluorotelomer sulfonate ammonium salt (8:2FTS-NH ₄)	149724-40-3	ND	0.01
182	1H,1H,2H,2H-Perfluorodecanesulfonic Acid Sodium (8:2FTS-Na)	27619-96-1	ND	0.01
183	Potassium 2-(perfluorooctyl)ethane-1-sulfonate (8:2FTS-K)	438237-73-1	ND	0.01
184	1H,1H,2H,2H-Perfluorododecanesulfonic Acid Sodium (10:2 FTS-Na)	108026-35-3	ND	0.01



185	Perfluorooctadecanoate anion (PFODA-)	798556-82-8	ND	0.01
186	Hentriacontafluorohexadecanoate anion (PFHxDA-)	1214264-30-8	ND	0.01
187	N-(Heptadecafluorooctylsulfonyl)-N-methylglycine potassium salt (N-MeFOSAA-K)	70281-93-5	ND	0.01
188	2-(N-Methylperfluorooctanesulfonamido) acetate (N-MeFOSAA-)	909405-48-7	ND	0.01
189	Ammonium 2-(N-ethylperfluorooctanesulfonamido) acetate (N-EtFOSAA-NH ₄)	2991-52-8	ND	0.01
190	2-(N-Ethyl-perfluorooctanesulfonamido) acetate (N-EtFOSAA-)	909405-49-8	ND	0.01
191	Sodium 2-(N-ethylperfluorooctanesulfonamido) acetate (N-EtFOSAA-Na)	3871-50-9	ND	0.01
192	potassium N-ethyl-N-((heptadecafluorooctyl) sulphonyl) glycinate (N-EtFOSAA-K)	2991-51-7	ND	0.01
193	Triethylaminium perfluoro-2-propoxypropanoate (HFPO-DA-(C ₂ H ₅) ₃ N)	165951-18-8	ND	0.01

- Note:
1. ND denotes Not detected and the result less than Detection Limit
 2. * PFNA-Na,APFN,PFDA-Na,APFDA,PFNA-,PFNA-Ag,PFNA-K,PFNA-CH₃NH₂,PFNA-C₆H₁₁NH₂,PFNA-(C₂H₅)₃N,PFDA-,PFDA-K,PFDA-Li,PFDA-Ag,PfUnA-,PFUnA-Na,PFUnA-K,PFUnA-NH₄,PFDoA-,PFDoA-Na,PfTrA-,PFTrA-NH₄,PFTeA-,PFDoA-NH₄ not included, these substances are tested in terms of its respective acid and test result is based on the calculation of acid and to the worst-case scenario
 3. # PFDS-,PFDS-Na,PFDS-K,PFDS-NH₄,H₄PFUnA-K,H₄PFUnA-Li,10:2 FTS-Na not included, these substances are tested in terms of its respective acid and test result is based on the calculation of acid and to the worst-case scenario
 4. This report is for internal use only such as internal scientific research, education, quality control, product R&D.

-END OF THE TEST REPORT-

Test Report (SVHC)

No.: TAOHL25002353901

Date: Mar 26, 2025

Page 1 of 16

Sample Description: PARCHMENT PAPER/ BAKING PAPER

The above sample(s) and information were provided by the client.

SGS No.: QDHL2503003441CW

Sample Receiving Date: Mar 20, 2025

Testing Period: Mar 20, 2025 ~ Mar 26, 2025

Test Requested: As requested by client, SVHC in Candidate List screening is performed according to:

- (i) Two hundred and forty seven (247) substances in the Candidate List of Substances of Very High Concern (SVHC) for authorization published by European Chemicals Agency (ECHA) on and before Jan 21, 2025 regarding Regulation (EC) No 1907/2006 concerning the REACH.
- As requested by client, Potential SVHC screening is performed according to:
 - (i) Three (3) substances in the Public Consultation List of potential Substances of Very High Concern (SVHC) published by European Chemicals Agency (ECHA) on and before Feb 28, 2025 regarding Regulation (EC) No 1907/2006 concerning the REACH.
 - (ii) One (1) potential Substances of Very High Concern (SVHC) in the Identification ongoing.
 - (iii) Two (2) potential Substances of Very High Concern (SVHC) in the Intention List published by European Chemicals Agency (ECHA) regarding Regulation (EC) No 1907/2006 concerning the REACH.

Testing Performed: Follow selected test(s) as requested by client.

Summary:

According to the specified scope and evaluation screening, the results of 247 SVHC in the Candidate List are $\leq 0.1\%$ (w/w) in the submitted sample.	Pass
--	------

Signed for and on behalf of
SGS-CSTC Standards Technical Services (Qingdao) Co., Ltd.

Sapphire Wang

Sapphire Wang
Approved Signatory



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Test Report (SVHC)

No.: TAOHL25002353901

Date: Mar 26, 2025

Page 2 of 16

According to the specified scope and evaluation screening, the results of 6 Potential SVHC are $\leq 0.1\%$ (w/w) in the submitted sample.	Pass
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Test Report (SVHC)

No.: TAOHL25002353901

Date: Mar 26, 2025

Page 3 of 16

Remark :

1. The chemical analysis of specified SVHC is performed by means of currently available analytical techniques against the following SVHC related documents published by ECHA:
<http://echa.europa.eu/web/guest/candidate-list-table>
These lists are under evaluation by ECHA and may subject to change in the future.

2. REACH obligation:

2.1 Concerning article(s):

Communication:

Article 33 of Regulation (EC) No 1907/2006 requires supplier of an article containing a substance meeting the criteria in Article 57 and identified in accordance with Article 59(1) in a concentration above 0.1% weight by weight (w/w) shall provide the recipient of the article with sufficient information, available to the supplier, to allow safe use of the article including, as a minimum, the name of that substance in the Candidate List.

Notification:

In accordance with Regulation (EC) No 1907/2006, any EU producer or importer of articles shall notify ECHA, in accordance with paragraph 4 of Article 7, if a substance meets the criteria in Article 57 and is identified in accordance with Article 59(1) of the Regulation, if (a) the substance in the Candidate List is present in those articles in quantities totaling over one tonne per producer or importer per year; and (b) the substance in the Candidate List is present in those articles above a concentration of 0.1% weight by weight (w/w).

Companies supplying articles containing substances of very high concern (SVHCs) on the Candidate List in a concentration above 0.1% weight by weight (w/w) on the EU market must comply with the Waste Framework Directive 2008/98/EC requirement and submit SCIP notifications on these articles to ECHA, as from 5 January 2021.

2.2 Concerning material(s):

Test results in this report are based on the tested sample. This report refers to testing result of tested sample submitted as homogenous material(s). In case such material is being used to compose an article, the results indicated in this report may not represent SVHC concentration in such article. If this report refers to testing result of composite material group by equal weight proportion, the material in each composite test group may come from more than one article.

If the sample is a substance or mixture, and it directly exports to EU, client has the obligation to comply with the supply chain communication obligation under Article 31 of Regulation (EC) No. 1907/2006 and the conditions of Authorization of substance of very high concern included in the Annex XIV of the Regulation (EC) No. 1907/2006.

2.3 Concerning substance and preparation:

If a SVHC is found over 0.1% (w/w) and/or the specific concentration limit which is set in Regulation (EC) No 1272/2008 and its amendments, client is suggested to prepare a Safety Data Sheet (SDS) against the SVHC to comply with the supply chain communication obligation under Regulation (EC) No 1907/2006, in which:

- a substance that is classified as hazardous under the CLP Regulation (EC) No 1272/2008.
- a mixture that is classified as hazardous under the CLP Regulation (EC) No 1272/2008, when it contains a substance with concentration equal to, or greater than the classification limit as set in Regulation (EC) No. 1272/2008; or
- a mixture is not classified as hazardous under the CLP Regulation (EC) No 1272/2008, but contains either:



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**Test Report
(SVHC)****No.:** TAOHL25002353901**Date:** Mar 26, 2025

Page 4 of 16

- (a) a substance posing human health or environmental hazards in an individual concentration of $\geq 1\%$ by weight for mixtures that are solid or liquids (i.e., non-gaseous mixtures) or $\geq 0.2\%$ by volume for gaseous mixtures; or
- (b) a substance that is PBT, or vPvB in an individual concentration of $\geq 0.1\%$ by weight for mixtures that are solid or liquids (i.e., non-gaseous mixtures); or
- (c) a substance on the SVHC candidate list (for reasons other than those listed above), in an individual concentration of $\geq 0.1\%$ by weight for non-gaseous mixtures; or
- (d) a substance for which there are Europe-wide workplace exposure limits

3. If a SVHC is found over the reporting limit, client is suggested to identify the composite component which contains the SVHC and the exact concentration of the SVHC by requesting further quantitative analysis from the laboratory.

Test Sample:**Testing Group:**

Test Result ID	Description	Test Part ID	SGS Sample ID
001	White paper + Brown paper	A1+A2	TAO25-0023539-0002

Test Method:

With reference to SGS In-House method, analysis was performed by ICP-OES, UV-VIS, GC-MS, HPLC-DAD/MS and Colorimetric Method.



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Test Report (SVHC)

No.: TAOHL25002353901

Date: Mar 26, 2025

Page 5 of 16

Result of SVHC in the Candidate List

Batch	Substance Name	CAS No.	001 Concentration (%)	RL (%)
-	All SVHC in Candidate list	-	ND	-

Result of Potential SVHC

Batch	Substance Name	CAS No.	001 Concentration (%)	RL (%)
/	All Potential SVHC	-	ND	-

Notes:

- (1) The table above only shows detected SVHC, and SVHC that below RL are not reported. Please refer to Appendix for the full list of tested SVHC.
- (2) RL = Reporting Limit (Test data will be shown if it $\geq$ RL. RL is not regulatory limit.)
ND = Not detected (lower than RL), ND is denoted on the SVHC substance.
- (3) * The result is based on the calculation of selected element(s) under the worst-case scenario, and the evaluation of substance usage and material properties.
** The result is based on the calculation of selected marker(s) and to the worst-case scenario.
Calculated concentration of boric compounds are based on water extractive boron detected by ICP-OES.
Calculated concentration of Barium diboron tetraoxide is based on water extractive boron and barium detected by ICP-OES.
RL = 0.005% is evaluated for element (i.e. cobalt, arsenic, lead, chromium, chromium (VI), aluminum, zirconium, boron, strontium, zinc, antimony, titanium, barium and cadmium respectively), except molybdenum RL=0.0005%, boron RL=0.0025% (only for Lead bis(tetrafluoroborate)), fluorine RL=0.050%.
- (4) § The substance is proposed for the identification as SVHC only where it contains Michler's ketone (CAS Number: 90-94-8) or Michler's base (CAS Number: 101-61-1) $\geq 0.1\%$ (w/w).
- (5) / = Potential SVHC
- (6) Composite test has been performed in equal proportion for the components/material per client requested. And the result is calculated using the minimum sample weight.

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule ($w=0$) stated in ILAC-G8:09/2019.



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Test Report (SVHC)

No.: TAOHL25002353901

Date: Mar 26, 2025

Page 6 of 16

Appendix

Full list of tested SVHC:

Batch	No.	Substance Name	CAS No.	RL (%)
I	1	4,4'-Diaminodiphenylmethane(MDA)	101-77-9	0.050
I	2	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	0.050
I	3	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	0.050
I	4	Anthracene	120-12-7	0.050
I	5	Benzyl butyl phthalate (BBP)	85-68-7	0.050
I	6	Bis(2-ethylhexyl)phthalate (DEHP)	117-81-7	0.050
I	7	Bis(tributyltin)oxide (TBTO)	56-35-9	0.050
I	8	Cobalt dichloride*	7646-79-9	0.005
I	9	Diarsenic pentaoxide*	1303-28-2	0.005
I	10	Diarsenic trioxide*	1327-53-3	0.005
I	11	Dibutyl phthalate (DBP)	84-74-2	0.050
I	12	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified (α -HBCDD, β -HBCDD, γ -HBCDD)	-	0.050
I	13	Lead hydrogen arsenate*	7784-40-9	0.005
I	14	Sodium dichromate*	10588-01-9 /7789-12-0	0.005
I	15	Triethyl arsenate*	15606-95-8	0.005
II	16	2,4-Dinitrotoluene	121-14-2	0.050
II	17	Anthracene oil**	90640-80-5	0.050
II	18	Anthracene oil, anthracene paste**	90640-81-6	0.050
II	19	Anthracene oil, anthracene paste, anthracene fraction**	91995-15-2	0.050
II	20	Anthracene oil, anthracene paste, distn. Lights**	91995-17-4	0.050
II	21	Anthracene oil, anthracene-low**	90640-82-7	0.050
II	22	Diisobutyl phthalate	84-69-5	0.050
II	23	Lead chromate*	7758-97-6	0.005
II	24	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)*	12656-85-8	0.005
II	25	Lead sulfochromate yellow (C.I. Pigment Yellow 34)*	1344-37-2	0.005
II	26	Pitch, coal tar, high temp. **	65996-93-2	0.050
II	27	Tris(2-chloroethyl)phosphate	115-96-8	0.050
II	28	Acrylamide	79-06-1	0.050
III	29	Ammonium dichromate*	7789-09-5	0.005
III	30	Boric acid*	-	0.005
III	31	Disodium tetraborate, anhydrous*	12179-04-3 /1303-96-4 /1330-43-4	0.005
III	32	Potassium chromate*	7789-00-6	0.005
III	33	Potassium dichromate*	7778-50-9	0.005
III	34	Sodium chromate*	7775-11-3	0.005
III	35	Tetraboron disodium heptaoxide, hydrate*	12267-73-1	0.005



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Test Report (SVHC)

No.: TAOHL25002353901

Date: Mar 26, 2025

Page 7 of 16

Batch	No.	Substance Name	CAS No.	RL (%)
III	36	Trichloroethylene	79-01-6	0.050
IV	37	2-Ethoxyethanol	110-80-5	0.050
IV	38	2-Methoxyethanol	109-86-4	0.050
IV	39	Chromic acid, Oligomers of chromic acid and dichromic acid, Dichromic acid*	-	0.005
IV	40	Chromium trioxide*	1333-82-0	0.005
IV	41	Cobalt(II) carbonate*	513-79-1	0.005
IV	42	Cobalt(II) diacetate*	71-48-7	0.005
IV	43	Cobalt(II) dinitrate*	10141-05-6	0.005
IV	44	Cobalt(II) sulphate*	10124-43-3	0.005
V	45	1,2,3-trichloropropane	96-18-4	0.050
V	46	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	0.050
V	47	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	0.050
V	48	1-methyl-2-pyrrolidone	872-50-4	0.050
V	49	2-ethoxyethyl acetate	111-15-9	0.050
V	50	Hydrazine	302-01-2 /7803-57-8	0.050
V	51	strontium chromate*	7789-06-2	0.005
VI	52	1,2-Dichloroethane	107-06-2	0.050
VI	53	2,2'-dichloro-4,4'-methylenedianiline	101-14-4	0.050
VI	54	2-Methoxyaniline; o-Anisidine	90-04-0	0.050
VI	55	4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9	0.050
VI	56	Aluminosilicate Refractory Ceramic Fibres*	-	0.005
VI	57	Arsenic acid*	7778-39-4	0.005
VI	58	Bis(2-methoxyethyl) ether	111-96-6	0.050
VI	59	Bis(2-methoxyethyl) phthalate	117-82-8	0.050
VI	60	Calcium arsenate*	7778-44-1	0.005
VI	61	Dichromium tris(chromate)*	24613-89-6	0.005
VI	62	Formaldehyde, oligomeric reaction products with aniline	25214-70-4	0.050
VI	63	Lead diazide, Lead azide*	13424-46-9	0.005
VI	64	Lead dipicrate*	6477-64-1	0.005
VI	65	Lead styphnate*	15245-44-0	0.005
VI	66	N,N-dimethylacetamide	127-19-5	0.050
VI	67	Pentazinc chromate octahydroxide*	49663-84-5	0.005
VI	68	Phenolphthalein	77-09-8	0.050
VI	69	Potassium hydroxyoctaoxodizincatedichromate*	11103-86-9	0.005
VI	70	Trilead diarsenate*	3687-31-8	0.005
VI	71	Zirconia Aluminosilicate Refractory Ceramic Fibres*	-	0.005
VII	72	[4-[[4-anilino-1-naphthyl]]4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26)§	2580-56-5	0.050



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Test Report (SVHC)

No.: TAOHL25002353901

Date: Mar 26, 2025

Page 8 of 16

Batch	No.	Substance Name	CAS No.	RL (%)
VII	73	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) §	548-62-9	0.050
VII	74	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	0.050
VII	75	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	0.050
VII	76	4,4'-bis(dimethylamino) benzophenone (Michler's Ketone)	90-94-8	0.050
VII	77	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol§	561-41-1	0.050
VII	78	Diboron trioxide*	1303-86-2	0.005
VII	79	Formamide	75-12-7	0.050
VII	80	Lead(II) bis(methanesulfonate)*	17570-76-2	0.005
VII	81	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	0.050
VII	82	TGIC (1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)	2451-62-9	0.050
VII	83	α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) §	6786-83-0	0.050
VII	84	β-TGIC (1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)	59653-74-6	0.050
VIII	85	[Phthalato(2-)]dioxotrilead*	69011-06-9	0.005
VIII	86	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	0.050
VIII	87	1,2-Diethoxyethane	629-14-1	0.050
VIII	88	1-Bromopropane	106-94-5	0.050
VIII	89	3-Ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	0.050
VIII	90	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated	-	0.050
VIII	91	4,4'-Methylenedi-o-toluidine	838-88-0	0.050
VIII	92	4,4'-Oxydianiline and its salts	101-80-4	0.050
VIII	93	4-Aminoazobenzene	60-09-3	0.050
VIII	94	4-Methyl-m-phenylenediamine	95-80-7	0.050
VIII	95	4-Nonylphenol, branched and linear	-	0.050
VIII	96	6-Methoxy-m-toluidine	120-71-8	0.050
VIII	97	Acetic acid, lead salt, basic*	51404-69-4	0.005
VIII	98	Biphenyl-4-ylamine	92-67-1	0.050
VIII	99	Decabromodiphenyl ether (DecaBDE)	1163-19-5	0.050
VIII	100	Cyclohexane-1,2-dicarboxylic anhydride, cis-cyclohexane-1,2-dicarboxylic anhydride, trans-cyclohexane-1,2-dicarboxylic anhydride	-	0.050
VIII	101	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	0.050



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Test Report (SVHC)

No.: TAOHL25002353901

Date: Mar 26, 2025

Page 9 of 16

Batch	No.	Substance Name	CAS No.	RL (%)
VIII	102	Dibutyltin dichloride (DBTC)	683-18-1	0.050
VIII	103	Diethyl sulphate	64-67-5	0.050
VIII	104	Diisopentylphthalate	605-50-5	0.050
VIII	105	Dimethyl sulphate	77-78-1	0.050
VIII	106	Dinoseb	88-85-7	0.050
VIII	107	Dioxobis(stearato)trilead*	12578-12-0	0.005
VIII	108	Fatty acids, C16-18, lead salts*	91031-62-8	0.005
VIII	109	Furan	110-00-9	0.050
VIII	110	Henicosfluoroundecanoic acid	2058-94-8	0.050
VIII	111	Heptacosfluorotetradecanoic acid	376-06-7	0.050
VIII	112	Hexahydromethylphthalic anhydride, Hexahydro-4-methylphthalic anhydride, Hexahydro-1-methylphthalic anhydride, Hexahydro-3-methylphthalic anhydride	-	0.050
VIII	113	Lead bis(tetrafluoroborate)*	13814-96-5	0.005
VIII	114	Lead cyanamidate*	20837-86-9	0.005
VIII	115	Lead dinitrate*	10099-74-8	0.005
VIII	116	Lead monoxide*	1317-36-8	0.005
VIII	117	Lead oxide sulfate*	12036-76-9	0.005
VIII	118	Lead tetroxide (orange lead)*	1314-41-6	0.005
VIII	119	Lead titanium trioxide*	12060-00-3	0.005
VIII	120	Lead titanium zirconium oxide*	12626-81-2	0.005
VIII	121	Methoxyacetic acid	625-45-6	0.050
VIII	122	Methyloxirane (Propylene oxide)	75-56-9	0.050
VIII	123	N,N-Dimethylformamide	68-12-2	0.050
VIII	124	N-Methylacetamide	79-16-3	0.050
VIII	125	N-Pentyl-isopentylphthalate	776297-69-9	0.050
VIII	126	o-Aminoazotoluene	97-56-3	0.050
VIII	127	o-Toluidine	95-53-4	0.050
VIII	128	Pentacosfluorotridecanoic acid	72629-94-8	0.050
VIII	129	Pentalead tetraoxide sulphate*	12065-90-6	0.005
VIII	130	Pyrochlore, antimony lead yellow*	8012-00-8	0.005
VIII	131	Silicic acid, barium salt, lead-doped*	68784-75-8	0.005
VIII	132	Silicic acid, lead salt*	11120-22-2	0.005
VIII	133	Sulfurous acid, lead salt, dibasic*	62229-08-7	0.005
VIII	134	Tetraethyllead*	78-00-2	0.005
VIII	135	Tetralead trioxide sulphate*	12202-17-4	0.005
VIII	136	Tricosfluorododecanoic acid	307-55-1	0.050
VIII	137	Trilead bis(carbonate)dihydroxide (basic lead carbonate)*	1319-46-6	0.005
VIII	138	Trilead dioxide phosphonate*	12141-20-7	0.005
IX	139	4-Nonylphenol, branched and linear, ethoxylated	-	0.050
IX	140	Ammonium pentadecafluorooctanoate (APFO)**	3825-26-1	0.050
IX	141	Cadmium oxide*	1306-19-0	0.005
IX	142	Cadmium	7440-43-9	0.005



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Test Report (SVHC)

No.: TAOHL25002353901

Date: Mar 26, 2025

Page 10 of 16

Batch	No.	Substance Name	CAS No.	RL (%)
IX	143	Dipentyl phthalate (DPP)	131-18-0	0.050
IX	144	Pentadecafluorooctanoic acid (PFOA)	335-67-1	0.050
X	145	Cadmium sulphide*	1306-23-6	0.005
X	146	Diethyl phthalate	84-75-3	0.050
X	147	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0	0.050
X	148	Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo]-5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate (C.I. Direct Black 38)	1937-37-7	0.050
X	149	Imidazolidine-2-thione; (2-imidazoline-2-thiol)	96-45-7	0.050
X	150	Lead di(acetate)*	301-04-2	0.005
X	151	Triethyl phosphate	25155-23-1	0.050
XI	152	1,2-Benzenedicarboxylic acid, diethyl ester, branched and linear	68515-50-4	0.050
XI	153	Cadmium chloride*	10108-64-2	0.005
XI	154	Sodium perborate; perboric acid, sodium salt*	-	0.005
XI	155	Sodium peroxometaborate*	7632-04-4	0.005
XII	156	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	0.050
XII	157	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	0.050
XII	158	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	0.050
XII	159	Cadmium fluoride*	7790-79-6	0.005
XII	160	Cadmium sulphate*	10124-36-4 /31119-53-6	0.005
XII	161	Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate & 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE & MOTE)	-	0.050
XIII	162	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of diethyl phthalate	-	0.050
XIII	163	5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2] [covering any of the individual isomers of [1] and [2] or any combination thereof]	-	0.050
XIV	164	1,3-propanesultone	1120-71-4	0.050
XIV	165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	0.050



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Test Report (SVHC)

No.: TAOHL25002353901

Date: Mar 26, 2025

Page 11 of 16

Batch	No.	Substance Name	CAS No.	RL (%)
XIV	166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl) phenol (UV-350)	36437-37-3	0.050
XIV	167	Nitrobenzene	98-95-3	0.050
XIV	168	Perfluorononan-1-oic-acid and its sodium and ammonium salts	-	0.050
XV	169	Benzo[def]chrysene (Benzo[a]pyrene)	50-32-8	0.050
XVI	170	4,4'-isopropylidenediphenol (bisphenol A)	80-05-7	0.050
XVI	171	4-Heptylphenol, branched and linear	-	0.050
XVI	172	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	-	0.050
XVI	173	p-(1,1-dimethylpropyl)phenol	80-46-6	0.050
XVII	174	Perfluorohexane-1-sulphonic acid and its salts	-	0.050
XVIII	175	1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus"™) [covering any of its individual anti- and syn-isomers or any combination thereof]	-	0.050
XVIII	176	Benz[a]anthracene	56-55-3	0.050
XVIII	177	Cadmium nitrate*	10325-94-7	0.005
XVIII	178	Cadmium carbonate*	513-78-0	0.005
XVIII	179	Cadmium hydroxide*	21041-95-2	0.005
XVIII	180	Chrysene	218-01-9	0.050
XVIII	181	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) [with ≥0.1% w/w 4-heptylphenol, branched and linear]	-	0.050
XIX	182	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride) (TMA)	552-30-7	0.050
XIX	183	Benzo[ghi]perylene	191-24-2	0.050
XIX	184	Decamethylcyclopentasiloxane (D5)	541-02-6	0.050
XIX	185	Dicyclohexyl phthalate (DCHP)	84-61-7	0.050
XIX	186	Disodium octaborate*	12008-41-2	0.005
XIX	187	Dodecamethylcyclohexasiloxane (D6)	540-97-6	0.050
XIX	188	Ethylenediamine (EDA)	107-15-3	0.050
XIX	189	Lead	7439-92-1	0.005
XIX	190	Octamethylcyclotetrasiloxane (D4)	556-67-2	0.050
XIX	191	Terphenyl, hydrogenated	61788-32-7	0.050
XX	192	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one (3-benzylidene camphor)	15087-24-8	0.050
XX	193	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	6807-17-6	0.050
XX	194	Benzo[k]fluoranthene	207-08-9	0.050
XX	195	Fluoranthene	206-44-0	0.050
XX	196	Phenanthrene	85-01-8	0.050
XX	197	Pyrene	129-00-0	0.050
XXI	198	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts	-	0.050



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Test Report (SVHC)

No.: TAOHL25002353901

Date: Mar 26, 2025

Page 12 of 16

Batch	No.	Substance Name	CAS No.	RL (%)
		and its acyl halides (covering any of their individual isomers and combinations thereof)		
XXI	199	2-methoxyethyl acetate	110-49-6	0.050
XXI	200	4-tert-butylphenol (PTBP)	98-54-4	0.050
XXI	201	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP)	-	0.050
XXII	202	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	119313-12-1	0.050
XXII	203	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	0.050
XXII	204	Diisohexyl phthalate	71850-09-4	0.050
XXII	205	Perfluorobutane sulfonic acid (PFBS) and its salts	-	0.050
XXIII	206	1-vinylimidazole	1072-63-5	0.050
XXIII	207	2-methylimidazole	693-98-1	0.050
XXIII	208	Butyl 4-hydroxybenzoate	94-26-8	0.050
XXIII	209	Dibutylbis(pentane-2,4-dionato-O,O')tin**	22673-19-4	0.050
XXIV	210	bis(2-(2-methoxyethoxy)ethyl) ether	143-24-8	0.050
XXIV	211	Diocetyl tin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety**	-	0.050
XXV	212	1,4-Dioxane	123-91-1	0.050
XXV	213	2,2-bis(bromomethyl)propane 1,3-diol (BMP); 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA); 2,3-dibromo-1-propanol (2,3-DBPA)	-	0.050
XXV	214	2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers	-	0.050
XXV	215	4,4'-(1-methylpropylidene)bisphenol; (bisphenol B)	77-40-7	0.050
XXV	216	Glutaral	111-30-8	0.050
XXV	217	Medium-chain chlorinated paraffins (MCCP) [UVCB substances consisting of more than or equal to 80% linear chloroalkanes with carbon chain lengths within the range from C14 to C17]	-	0.050
XXV	218	Orthoboric acid, sodium salt*	13840-56-7	0.005
XXV	219	Phenol, alkylation products (mainly in para position) with C12-rich branched or linear alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)	-	0.050
XXVI	220	(±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one covering any of the individual isomers and/or combinations thereof (4-MBC)	-	0.050



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Test Report (SVHC)

No.: TAOHL25002353901

Date: Mar 26, 2025

Page 13 of 16

Batch	No.	Substance Name	CAS No.	RL (%)
XXVI	221	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol (DBMC)	119-47-1	0.050
XXVI	222	S-(tricyclo[5.2.1.0'2,6]deca-3-en-8(or 9)-yl) O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate	255881-94-8	0.050
XXVI	223	Tris(2-methoxyethoxy)vinylsilane	1067-53-4	0.050
XXVII	224	N-(hydroxymethyl)acrylamide	924-42-5	0.050
XXVIII	225	1,1'-[ethane-1,2-diylbis(oxy)]bis[2,4,6-tribromobenzene]	37853-59-1	0.050
XXVIII	226	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol	79-94-7	0.050
XXVIII	227	4,4'-sulphonyldiphenol	80-09-1	0.050
XXVIII	228	Barium diboron tetraoxide*	13701-59-2	0.005
XXVIII	229	Bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof	-	0.050
XXVIII	230	Isobutyl 4-hydroxybenzoate	4247-02-3	0.050
XXVIII	231	Melamine	108-78-1	0.050
XXVIII	232	Perfluoroheptanoic acid and its salts	-	0.050
XXVIII	233	reaction mass of 2,2,3,3,5,5,6,6-octafluoro-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)morpholine and 2,2,3,3,5,5,6,6-octafluoro-4-(heptafluoropropyl)morpholine*	-	0.050
XXIX	234	Bis(4-chlorophenyl) sulphone	80-07-9	0.050
XXIX	235	Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	75980-60-8	0.050
XXX	236	2,4,6-tri-tert-butylphenol	732-26-3	0.050
XXX	237	2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol (UV-329)	3147-75-9	0.050
XXX	238	2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one	119344-86-4	0.050
XXX	239	Bumetizole (UV-326)	3896-11-5	0.050
XXX	240	Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol	-	0.050
XXXI	241	Bis(α,α-dimethylbenzyl) peroxide	80-43-3	0.050
XXXI	242	Triphenyl phosphate	115-86-6	0.050
XXXII	243	6-[(C10-C13)-alkyl-(branched, unsaturated)-2,5-dioxopyrrolidin-1-yl]hexanoic acid	2156592-54-8	0.050
XXXII	244	O,O,O-triphenyl phosphorothioate	597-82-0	0.050
XXXII	245	Octamethyltrisiloxane	107-51-7	0.050
XXXII	246	Perfluamine	338-83-0	0.050
XXXII	247	Reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives	192268-65-8	0.050
/	248	1,1,1,3,5,5,5-heptamethyl-3-[(trimethylsilyl)oxy]trisiloxane	17928-28-8	0.050
/	249	Decamethyltetrasiloxane	141-62-8	0.050



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Test Report
(SVHC)

No.: TAOHL25002353901

Date: Mar 26, 2025

Page 14 of 16

Batch	No.	Substance Name	CAS No.	RL (%)
/	250	tetra(sodium/potassium) 7-[(E)-{2-acetamido-4-[(E)-(4-{[4-chloro-6-({2-[(4-fluoro-6-{[4-(vinylsulfonyl)phenyl]amino}-1,3,5-triazine-2-yl)amino]propyl}amino)-1,3,5-triazine-2-yl]amino}-5-sulfonato-1-naphthyl)diazenyl]-5-methoxyphenyl}diazenyl]-1,3,6-naphthalenetrisulfonate; Reactive Brown 51	-	0.100
/	251	Resorcinol	108-46-3	0.050
/	252	Dodecamethylpentasiloxane	141-63-9	0.050
/	253	Hexamethyldisiloxane	107-46-0	0.050



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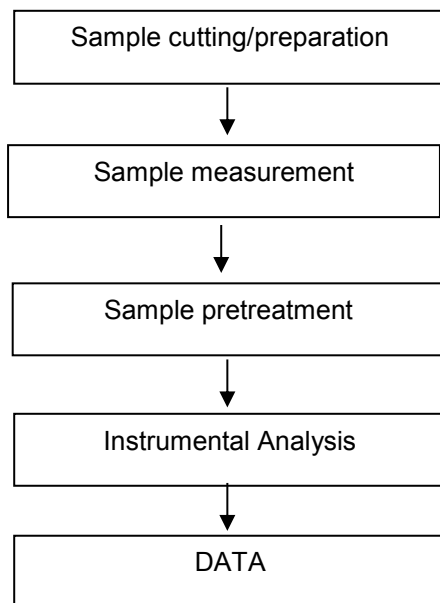
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ATTACHMENTS

Testing Flow Chart



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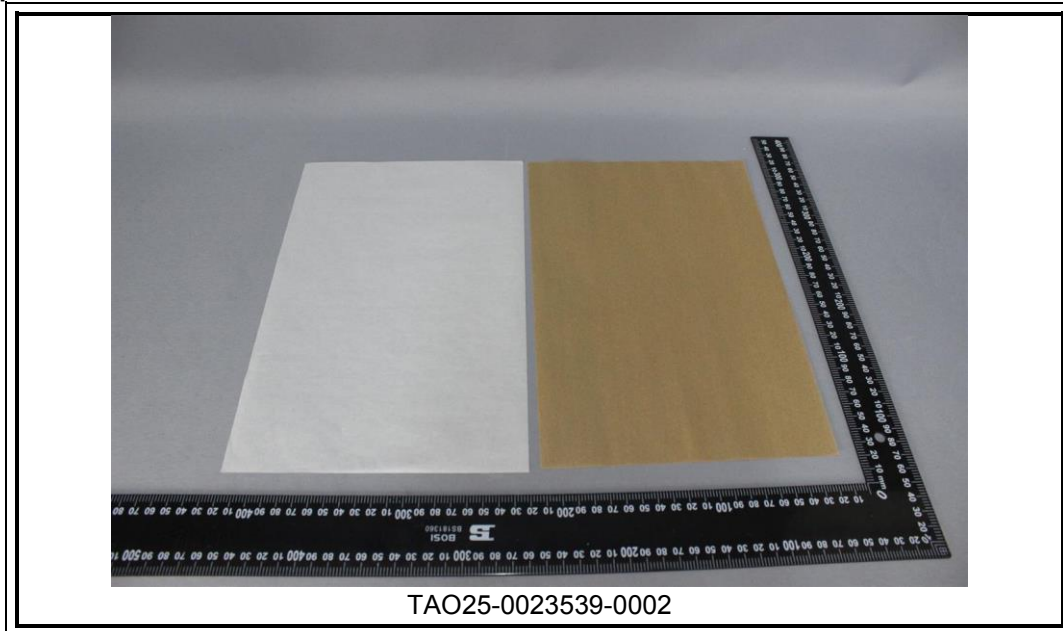
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No.: TAOHL25002353901

Date: Mar 26, 2025

Page 16 of 16

Sample photos:



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Test Report

No.: SHAHL24012059401

Date: Jun 21, 2024

Page 1 of 6

Sample Description: parchment paper/ baking paper
The above sample(s) and information were provided by the client.

SGS No.: QDHL2406007878CW
Sample Receiving Date: Jun 05, 2024
Testing Period: Jun 05, 2024 ~ Jun 21, 2024
Test Requested: Select test(s) as requested by the client.
Testing Performed: Follow selected test(s) as requested by client.

	Test Requirement	Comment
1	Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31 with amendments and BfR recommendation - Sensorial examination odour and taste test	Pass
2	Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31 with amendments and BfR recommendation - Extractable heavy metals*	Pass
3	Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31 with amendments and BfR recommendation - Transfer of antimicrobial agents	Pass
4	Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31 with amendments and BfR recommendation - Fastness of fluorescent whitened paper and board	Pass
5	Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31 with amendments and BfR recommendation - Specific Migration of Benzophenone*	Pass

Signed for and on behalf of
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Amanda-HM Zhang
Approved Signatory



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Test Report

No.: SHAHL24012059401

Date: Jun 21, 2024

Page 2 of 6

	Test Requirement	Comment
6	Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31 with amendments and BfR recommendation - Specific Migration of 4-Methylbenzophenone*	Pass
7	Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31 with amendments and BfR recommendation - Extractable 1,3-Dichloro-2-propanol(DCP)and 3-monochloro-1,2-propanediol(3-MCPD)*	Pass

Test Result(s):

Test Part Description:

SN ID	Sample No.	SGS Sample ID	Description	Material (claimed by the client)
SN1	A1	SHA24-0120594-0001.C001	Brown paper	Paper

Remarks:

- (1) mg/dm² = milligram per square decimeter
mg/inch² = milligram per square inches
μg/cm² = microgram per square centimeter
mg/L = milligram per litre
mg/kg = milligram per kilogram
- (2) °C = degree Celsius
°F = degree Fahrenheit
- (3) <= less than
- (4) RL = Reporting Limit
- (5) ND = Not Detected (< RL).

The ratio of surface area to volume

Sample No	Specific Migration
A1	6.0 dm ² /kg

Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31 with amendments and BfR recommendation - Sensorial examination odour and taste test

Test Method: With reference to DIN 10955: 2024.
No. of panelist: 6

Test Media	Test Condition
	A1
Baking Dough	180°C, 25 mins



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Test Report

No.: SHAHL24012059401

Date: Jun 21, 2024

Page 3 of 6

Test Item(s)	Limit	A1
Sensorial examination odour	2.5	0
Sensorial examination taste	2.5	0
Comment		Pass

Notes:

Intensity scale (rounded at 0.5):

- 0 – no perceptible difference
- 1 – just perceptible difference
- 2 – slight difference
- 3 – marked difference
- 4 – strong difference

Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31 with amendments and BfR recommendation - Extractable heavy metals*

Test Method: With reference to EN 645:1993, analysis was performed by UV-Vis and ICP-MS.

Test Item(s)	Limit	Unit(s)	RL	A1
Extractable Lead	10	µg/L	5	ND
Extractable Cadmium	5	µg/L	2	ND
Extractable Aluminium	1000	µg/L	100	ND
Extractable Chromium(VI)	Absent	mg/dm ²	0.004	ND
Extractable Chromium(III)	0.004	mg/dm ²	0.004	ND
Comment				Pass

Notes:

- (1) Permissible Limit is according to BfR Recommendation XXXVI.
- (2) The result of Chromium (VI) and Chromium (III) are considered as "Not Detected" since the total chromium content determined is "Not Detected".

Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31 with amendments and BfR recommendation - Transfer of antimicrobial agents

Test Method: With reference to BS EN 1104:2018.

Test Item(s)	Limit	A1
Aspergillus niger ATCC 6275	★	Absent
Bacillus subtilis ATCC 6633	★	Absent
Comment		Pass

Notes:

- (1) ★ = Absence of zone inhibition
- (2) Absent denotes absence of Antimicrobial constituents which inhibits the growth of tested bacteria and fungus.

Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31 with amendments and BfR recommendation - Fastness of fluorescent whitened paper and board



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Test Report

No.: SHAHL24012059401

Date: Jun 21, 2024

Page 4 of 6

Test Method: With reference to EN 648:2018.

Simulant used	Test Condition	Limit	A1	Comment
Rectified olive oil	120±3°C, 0.5 hr	Grade 5	Grade 5	Pass
DI water	90±3°C, 0.5 hr	Grade 5	Grade 5	Pass

Notes:

(1) Grey scale rating is based on the 5-step scale of 1 to 5, where 1 is bad and 5 is good.

Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31 with amendments and BfR recommendation - Specific Migration of Benzophenone*

Test Method: With reference to EN 13130-1:2004, analysis was performed by GC-MS.

Simulant	Test Condition
	A1
Rectified olive oil	200°C, 1 hr

Test Item(s)	Limit	Unit(s)	RL	A1
Rectified olive oil				
Migration times				First
Specific migration of benzophenone	0.6	mg/kg	0.2	ND
Comment				Pass

Notes:

(1) Test condition & simulant were specified by client.

Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31 with amendments and BfR recommendation - Specific Migration of 4-Methylbenzophenone*

Test Method: With reference to EN 13130-1:2004, analysis was performed by GC-MS.

Simulant	Test Condition
	A1
Rectified olive oil	200°C, 1 hr

Test Item(s)	Limit	Unit(s)	RL	A1
Rectified olive oil				
Migration times				First
Specific migration of 4-Methylbenzophenone	0.2	mg/kg	0.2	ND
Comment				Pass

Notes:

(1) Test condition & simulant were specified by client.



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Date: Jun 21, 2024

Page 5 of 6

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Test Method: With reference to EN 645:1993 and § 64 LFGB 80.56-2:2004, analysis was performed by GC-MS.

Test Item(s)	Limit	Unit(s)	RL	A1
Extractable 1,3-Dichloro-2-propanol(DCP)	2	µg/L	2	ND
Extractable 3-monochloro-1,2-propanediol(3-MCPD)	12	µg/L	2	ND
Comment				Pass

Remark:

Test item marked"" in this report are not included in CNAS Accredited Scope for our laboratory.

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Date: Jun 21, 2024

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