

Test Report No.: 60.431.21.1679.01

Dated: 2021-10-12



Applicant : Bruno Stolze
Steinbachweg 8, 04158 Leipzig Germany

Sample Description : Thermo Bottles

Product Type/ End use : Double Walled Bottle

Buyer : Culinaris Kuechenaccessoires

Manufacturer : Everich Commerce Group Ltd.

Country of Destination : Germany

Country of Origin : China

Test Sample Receipt Date, Location : 2021-09-01, Hong Kong

Test Period, Location : From 2021-09-01 to 2021-10-07, Hong Kong

Test Result(s) : Refer to Section 3





Purpose Of Examination / Conclusion:

No	Test Item(s)	Conclusion
For PP		
Test for compliance with Regulation (EU) No. 10/2011 with its amendments and Swiss Food and Commodities Regulation SR 817.023.21		
1.	Overall Migration	Pass
2.	Specific Migration of 19 Heavy Metals	Pass
3.	Specific Migration of 9 Heavy Metals	Pass
4.	Specific Migration of 22 Primary Aromatic Amines	Pass
5.	Specific Migration of Primary Aromatic Amines	Pass
For Silicone		
Test for compliance with Swiss Food and Commodities Regulation SR 817.023.21		
6.	Overall Migration	Pass
7.	Specific Migration of 9 Heavy Metals	Pass
8.	Specific Migration of Primary Aromatic Amines	Pass
9.	Specific Migration of Formaldehyde	Pass
10.	Volatile Organic Matters	Pass
Test for compliance with Resolution AP (2004) 5 and its Policy Statement		
11.	Specific Migration of 19 Heavy Metals	Pass
12.	Specific Migration of 22 Primary Aromatic Amines	Pass
13.	Specific Migration of Phthalates - BBP, DEHP, DBP, DINP, DIDP, DEHA, DEHTP	Pass
For Stainless Steel		
Test for compliance with Resolution CM/Res(2013)9		
14.	Extractable 21 Heavy Metals	Pass
Test for compliance with Swiss Food and Commodities Regulation SR 817.023.21		
15.	Total Lead, Cadmium, Arsenic and Cobalt	Pass

Remarks:

(1) The results relate only to the items tested.

(2) Samples are tested as received.

(3) When a statement of conformity to a specification / standard is provide on test report, decision rule is applied. For detail, please refer to TUV SUD Hong Kong Limited's decision rule statement which is available on TUV SUD Hong Kong Limited's website:

<https://www.tuvsud.cn/zh-cn/-/media/regions/zh/cn/images/about-us/decision-rule-tuv-sud-hong-kong-limited.pdf>

Test Report No.: 60.431.21.1679.01

Dated: 2021-10-12



TUV SUD Hong Kong
TUV SUD Group

Prepared by:

Reviewed by:

A handwritten signature in black ink, appearing to be 'SAM', positioned above a horizontal line.

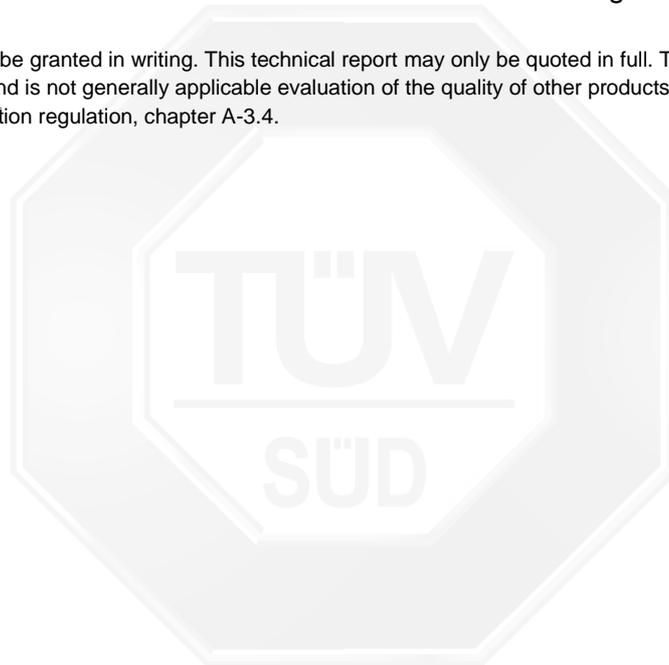


A handwritten signature in black ink, appearing to be 'Hilda', positioned above a horizontal line.

Samuel Chan
Project Manager

Hilda Tang
Manager

Any use for advertising purposes must be granted in writing. This technical report may only be quoted in full. This report is the result of a single examination of the object in question and is not generally applicable evaluation of the quality of other products in regular production. For further details, please see testing and certification regulation, chapter A-3.4.

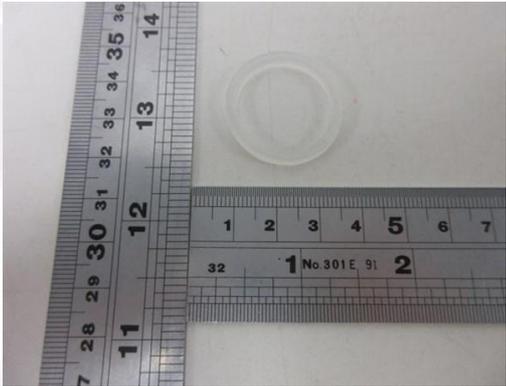


1. Description of the Test Sample:

Sample Description	Thermo Bottles
	



2. List of Materials as identified by the Laboratory:

T. No.	Sample No.	Colour and Description	Photograph
T1	001	Silvery Stainless steel (Inner of the bottle)	--
T2	002	Black PP (Inner Lid)	
T3	003	Translucent Silicone (Ring)	



3. Test Result

3.1 Overall Migration

- As specified in Regulation (EU) No. 10/2011 and its amendments, Annex III and V, test with reference to

EN 1186-3:2002 (Total Immersion method)

Simulant(s) Used	Test Condition(s)	Results [mg/dm ²]			Maximum Permissible Limit [mg/dm ²]
		Sample 002 1 st Mig	Sample 002 2 nd Mig	Sample 002 3 rd Mig	
3% Acetic acid	40°C for 10 Days	<3	<3	<3	10
50% Ethanol	40°C for 10 Days	<3	<3	<3	10
Conclusion		Migration not increases from the first to the third test			Migration not increases from the first to the third test
		Pass			-

Note 1. "mg/dm²" denotes milligram per square decimeter

2. "°C" denotes degree Celsius

3. "<" denotes less than

4. Limit is quoted from Regulation (EU) No. 10/2011, Swiss Food and Commodities Regulation SR 817.023.21

3.2 Specific Migration of 19 Heavy Metals

- As specified in Regulation (EU) No. 10/2011 and its amendments; the sample(s) were migrated with food simulant, followed by Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES) and Inductively Coupled Plasma Mass Spectrometry (ICP-MS) analysis.

Testing Condition and simulant: 40°C for 24 Hours in 3% Acetic Acid

Test	Results [mg/kg foodstuff]			Maximum Permissible Limit [mg/kg foodstuff]
	Sample 002 1 st Mig	Sample 002 2 nd Mig	Sample 002 3 rd Mig	
Barium (Ba)	<0.1	<0.1	<0.1	1
Cobalt (Co)	<0.05	<0.05	<0.05	0.05
Copper (Cu)	<0.1	<0.1	<0.1	5
Iron (Fe)	<0.1	<0.1	<0.1	48
Lithium (Li)	<0.06	<0.06	<0.06	0.6
Manganese (Mn)	<0.02	<0.02	<0.02	0.6
Zinc (Zn)	<0.1	<0.1	<0.1	5
Aluminum (Al)	<0.1	<0.1	<0.1	1
Nickel (Ni)	<0.02	<0.02	<0.02	0.02
Antimony (Sb)	<0.01	<0.01	<0.01	0.04
Arsenic (As)	<0.01	<0.01	<0.01	ND (0.01)
Cadmium (Cd)	<0.002	<0.002	<0.002	ND (0.002)
Chromium (Cr)	<0.01	<0.01	<0.01	ND (0.01)
Lead (Pb)	<0.01	<0.01	<0.01	ND (0.01)
Mercury (Hg)	<0.01	<0.01	<0.01	ND (0.01)
Europium (Eu)	<0.01	<0.01	<0.01	-
Gadolinium (Gd)	<0.01	<0.01	<0.01	-
Lanthanum (La)	<0.01	<0.01	<0.01	-
Terbium (Tb)	<0.01	<0.01	<0.01	-
Sum of Eu, Gd, La, Tb	<0.04	<0.04	<0.04	0.05
Conclusion	Migration not increases from the first to the third test			Migration not increases from the first to the third test
	Pass			-

Note 1. "mg/kg" denotes milligram per kilogram foodstuff

2. "°C" denotes degree Celsius

3. "<" denotes less than

4. Limit is quoted from Regulation (EU) No. 10/2011 and its amendments

3.3 Specific Migration of 9 Heavy Metals

- Sample(s) were tested with EN 13130-1:2004, followed by ICP-OES.
 Testing Condition and simulant: 40°C for 24 Hours in 3% Acetic Acid

Test	Results [mg/kg foodstuff]	Maximum Permissible Limit [mg/kg foodstuff]
	Sample 002 3 rd Mig	
Aluminum (Al)	<0.1	1
Barium (Ba)	<0.1	1
Cobalt (Co)	<0.05	0.05
Copper (Cu)	<0.1	5
Iron (Fe)	<0.1	48
Lithium (Li)	<0.06	0.6
Manganese (Mn)	<0.02	0.6
Nickel (Ni)	<0.02	0.02
Zinc (Zn)	<0.1	5
Conclusion	Pass	-

- Note 1. "mg/kg" denotes milligram per kilogram foodstuff
 2. "°C" denotes degree Celsius
 3. "<" denotes less than
 4. Limit is quoted from Swiss Food and Commodities Regulation SR 817.023.21

3.4 Specific Migration of Primary Aromatic Amines

- As specified in Regulation (EU) No. 10/2011 and its amendments, Annex III and V, sample(s) were tested with reference to BVL L00.00.6-1995 and its amendments
 Test Condition and simulant: 40°C for 24 Hours in 3% Acetic Acid

Test	Results			Maximum Permissible Limit
	Sample 002 1 st Mig	Sample 002 2 nd Mig	Sample 002 3 rd Mig	
Primary Aromatic Amine	N.D.	N.D.	N.D.	Not Detected
Conclusion	Migration not increases from the first to the third test			Migration not increases from the first to the third test
	Pass			-

- Note 1. "N.D." denote Not Detected with Method Detection Limit 0.01 mg/kg foodstuff
 2. "°C" denotes degree Celsius
 3. Limit is quoted from Regulation (EU) No. 10/2011, Swiss Food and Commodities Regulation SR 817.023.21
 4. Result(s) are expressed as sum of aniline

3.5 Specific Migration of 22 Primary Aromatic Amines

- As specified in Regulation (EU) No. 10/2011 and its amendments; the sample(s) were migrated with food stimulant, followed by Ultraviolet-visible Spectrophotometer (UV-Vis) and Liquid Chromatography with Tandem Mass Spectrometry Detection (LC-MS/MS) analysis
Testing Condition and simulant: 40°C for 24 Hours in 3% Acetic Acid

No.	Test Item	CAS No.	Results [mg/kg]			Maximum Permissible Limit [mg/kg]
			Sample 002 1 st Mig	Sample 002 2 nd Mig	Sample 002 3 rd Mig	
1	4-aminobiphenyl	92-67-1	<0.002	<0.002	<0.002	0.002
2	Benzidine	92-87-5	<0.002	<0.002	<0.002	0.002
3	4-chloro-o-toluidine	95-69-2	<0.002	<0.002	<0.002	0.002
4	2-naphthylamine	91-59-8	<0.002	<0.002	<0.002	0.002
5	o-aminoazotoluene	97-56-3	<0.002	<0.002	<0.002	0.002
6	5-nitro-o-toluidine	99-55-8	<0.002	<0.002	<0.002	0.002
7	4-chloroaniline	106-47-8	<0.002	<0.002	<0.002	0.002
8	2,4-diaminoanisole	615-05-4	<0.002	<0.002	<0.002	0.002
9	4,4'-diaminodiphenylmethane	101-77-9	<0.002	<0.002	<0.002	0.002
10	3,3'-dichlorobenzidine	91-94-1	<0.002	<0.002	<0.002	0.002
11	3,3'-Dimethoxybenzidine	119-90-4	<0.002	<0.002	<0.002	0.002
12	3,3'-dimethylbenzidine	119-93-7	<0.002	<0.002	<0.002	0.002
13	4,4'-methylenedi-o-toluidine	838-88-0	<0.002	<0.002	<0.002	0.002
14	p-cresidine	120-71-8	<0.002	<0.002	<0.002	0.002
15	4,4'-methylene-bis-(2-chloro-aniline)	101-14-4	<0.002	<0.002	<0.002	0.002
16	4,4'-oxydianiline	101-80-4	<0.002	<0.002	<0.002	0.002
17	4,4'-thiodianiline	139-65-1	<0.002	<0.002	<0.002	0.002
18	o-toluidine	95-53-4	<0.002	<0.002	<0.002	0.002
19	2,4-toluenediamine	95-80-7	<0.002	<0.002	<0.002	0.002
20	2,4,5-trimethylaniline	137-17-7	<0.002	<0.002	<0.002	0.002
21	2-methoxyaniline	90-04-0	<0.002	<0.002	<0.002	0.002
22	4-aminoazobenzene	60-09-3	<0.002	<0.002	<0.002	0.002
Conclusion			Migration not increases from the first to the third test			Migration not increases from the first to the third test
			Pass			-

Note 1. "mg/kg" denotes milligram per kilogram foodstuff

2. "°C" denotes degree Celsius

3. "<" denotes less than

4. Limit is quoted from Regulation (EU) No. 10/2011 and its amendment (EU) No. 2020/1245.

3.6 Overall Migration

- As specified in Regulation (EU) No. 10/2011 and its amendments, Annex III and V, test with reference to

EN 1186-3:2002 (Total Immersion method)

Simulant(s) Used	Test Condition(s)	Results [mg/dm ²]	Maximum Permissible Limit [mg/dm ²]
		Sample 003 3 rd Mig	
3% Acetic acid	40°C for 10 Days	<3	10
50% Ethanol	40°C for 10 Days	<3	10
Conclusion		Pass	-

Note 1. "mg/dm²" denotes milligram per square decimeter

2. "°C" denotes degree Celsius

3. "<" denotes less than

4. Limit is quoted from Swiss Food and Commodities Regulation SR 817.023.21

3.7 Specific Migration of 9 Heavy Metals

- Sample(s) were tested with EN 13130-1:2004, followed by ICP-OES.

Testing Condition and simulant: 40°C for 24 Hours in 3% Acetic Acid

Test	Results [mg/kg foodstuff]	Maximum Permissible Limit [mg/kg foodstuff]
	Sample 003 3 rd Mig	
Aluminum (Al)	<0.1	1
Barium (Ba)	<0.1	1
Cobalt (Co)	<0.05	0.05
Copper (Cu)	<0.1	5
Iron (Fe)	<0.1	48
Lithium (Li)	<0.06	0.6
Manganese (Mn)	<0.02	0.6
Nickel (Ni)	<0.02	0.02
Zinc (Zn)	<0.1	5
Conclusion		Pass

Note 1. "mg/kg" denotes milligram per kilogram foodstuff

2. "°C" denotes degree Celsius

3. "<" denotes less than

4. Limit is quoted from Swiss Food and Commodities Regulation SR 817.023.21

3.8 Specific Migration of Primary Aromatic Amines

As specified in Regulation (EU) No. 10/2011 and its amendments, Annex III and V, sample(s) were tested with EN 13130-1:2004, followed by UV-VIS or LCMSMS

Test Condition and simulant: 40°C for 24 Hours in 3% Acetic Acid

Test	Results	Maximum Permissible Limit
	Sample 003 1 st Mig	
Primary Aromatic Amine	N.D.	Not Detected
Conclusion	Pass	-

Note 1. "N.D." denotes Not Detected with Method Detection Limit 0.01 mg/kg foodstuff

2. "°C" denotes degree Celsius

3. Limit is quoted from Swiss Food and Commodities Regulation SR 817.023.21

4. Result(s) are expressed as sum of aniline

3.9 Specific Migration of Formaldehyde

- As specified in Regulation (EU) No. 10/2011 ANNEX III and V, sample(s) were tested with reference to EN 1186-3:2002 (Total Immersion method) and followed by UV-Vis Spectroscopy

Test Condition and simulant: 40°C for 24 Hours in 3% Acetic Acid

Test	Results [mg/kg]	Maximum Permissible Limit [mg/kg]
	Sample 003 3 rd Mig	
Formaldehyde	<0.3	15
Conclusion	Pass	-

Note 1. "mg/kg" denotes milligram per kilogram foodstuff

2. "°C" denotes degree Celsius

3. "<" denotes less than

4. Limit is quoted from Swiss Food and Commodities Regulation SR 817.023.21

3.10 Volatile Organic Matters

Test according to Swiss Food and Commodities Regulation SR 817.023.21

Test	Test Condition(s)	Results [%]	Maximum Permissible Limit [%]
		Sample 003	
Volatile Organic Matters	200°C for 4 Hours	0.44	0.5
Conclusion		Pass	-

Note 1. "%" denotes percentage by weight

2. "<" denotes less than

3. Limit is quoted from Swiss Food and Commodities Regulation SR 817.023.21

3.11 Specific Migration of 19 Heavy Metals

- As specified in Regulation (EU) No. 10/2011 and its amendments; the sample(s) were migrated with food simulant, followed by Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES) and Inductively Coupled Plasma Mass Spectrometry (ICP-MS) analysis.

Testing Condition and simulant: 40°C for 24 Hours in 3% Acetic Acid

Test	Results [mg/kg foodstuff]	Maximum Permissible Limit [mg/kg foodstuff]
	Sample 003 3 rd Mig	
Barium (Ba)	<0.1	1
Cobalt (Co)	<0.05	0.05
Copper (Cu)	<0.1	5
Iron (Fe)	<0.1	48
Lithium (Li)	<0.06	0.6
Manganese (Mn)	<0.02	0.6
Zinc (Zn)	<0.1	5
Aluminum (Al)	<0.1	1
Nickel (Ni)	<0.02	0.02
Antimony (Sb)	<0.01	0.04
Arsenic (As)	<0.01	ND (0.01)
Cadmium (Cd)	<0.002	ND (0.002)
Chromium (Cr)	<0.01	ND (0.01)
Lead (Pb)	<0.01	ND (0.01)
Mercury (Hg)	<0.01	ND (0.01)
Europium (Eu)	<0.01	-
Gadolinium (Gd)	<0.01	-
Lanthanum (La)	<0.01	-
Terbium (Tb)	<0.01	-
Sum of Eu, Gd, La, Tb	<0.04	0.05
Conclusion	Pass	-

Note 1. "mg/kg" denotes milligram per kilogram foodstuff

2. "°C" denotes degree Celsius

3. "<" denotes less than

4. Limit is quoted from Resolution AP (2004) 5 and its Policy Statements

3.12 Specific Migration of 22 Primary Aromatic Amines

- As specified in Regulation (EU) No. 10/2011 and its amendments; the sample(s) were migrated with food stimulant, followed by Ultraviolet-visible Spectrophotometer (UV-Vis) and Liquid Chromatography with Tandem Mass Spectrometry Detection (LC-MS/MS) analysis
Testing Condition and simulant: 40°C for 24 Hours in 3% Acetic Acid

No.	Test Item	CAS No.	Results [mg/kg]	Maximum Permissible Limit [mg/kg]
			Sample 003 1 st Mig	
1	4-aminobiphenyl	92-67-1	<0.002	0.002
2	Benzidine	92-87-5	<0.002	0.002
3	4-chloro-o-toluidine	95-69-2	<0.002	0.002
4	2-naphthylamine	91-59-8	<0.002	0.002
5	o-aminoazotoluene	97-56-3	<0.002	0.002
6	5-nitro-o-toluidine	99-55-8	<0.002	0.002
7	4-chloroaniline	106-47-8	<0.002	0.002
8	2,4-diaminoanisole	615-05-4	<0.002	0.002
9	4,4'-diaminodiphenylmethane	101-77-9	<0.002	0.002
10	3,3'-dichlorobenzidine	91-94-1	<0.002	0.002
11	3,3'-Dimethoxybenzidine	119-90-4	<0.002	0.002
12	3,3'-dimethylbenzidine	119-93-7	<0.002	0.002
13	4,4'-methylenedi-o-toluidine	838-88-0	<0.002	0.002
14	p-cresidine	120-71-8	<0.002	0.002
15	4,4'-methylene-bis-(2-chloro-aniline)	101-14-4	<0.002	0.002
16	4,4'-oxydianiline	101-80-4	<0.002	0.002
17	4,4'-thiodianiline	139-65-1	<0.002	0.002
18	o-toluidine	95-53-4	<0.002	0.002
19	2,4-toluenediamine	95-80-7	<0.002	0.002
20	2,4,5-trimethylaniline	137-17-7	<0.002	0.002
21	2-methoxyaniline	90-04-0	<0.002	0.002
22	4-aminoazobenzene	60-09-3	<0.002	0.002
Conclusion			Pass	-

Note 1. "mg/kg" denotes milligram per kilogram foodstuff

2. "°C" denotes degree Celsius

3. "<" denotes less than

4. Limit is quoted from Resolution AP (2004) 5 and its Policy Statements



3.13 Specific Migration of Phthalates - BBP, DEHP, DBP, DINP, DIDP, DEHA, DEHTP

- As specified in Regulation (EU) No. 10/2011 and its amendments, Annex III and V, sample(s) were tested with reference to EN 1186-3:2002 (Total Immersion method) and followed by GC/MS analysis
 Testing Condition and simulant: 40°C for 24 Hours in 50% Ethanol

Test	Results [mg/kg foodstuff]	Maximum Permissible Limit [mg/kg foodstuff]
	Sample 003 3 rd Mig	
Dibutyl Phthalate (DBP)	<0.10	0.3
Benzyl butyl phthalate (BBP)	<0.10	30
Bis (2-ethylhexyl) phthalate (DEHP)	<0.10	1.5
Di-isononyl Phthalate (DINP)	<0.10	Total 9
Di-isodecyl Phthalate (DIDP)	<0.10	
adipic acid, bis(2-ethylhexyl) ester (DEHA)	<0.10	18
Bis(2-Ethylhexyl) Terephthalate (DEHTP)	<0.10	60
Conclusion	Pass	-

Note 1. "mg/kg" denotes milligram per kilogram foodstuff

2. "°C" denotes degree Celsius

3. "<" denotes less than

4. Limit is quoted with reference to Regulation (EU) No. 10/2011 and RASFF



3.14 Extractable 21 Heavy Metals

Test as specified in EDQM Technical Guide on Metals and Alloys used in Food Contact Materials and Articles

Sample(s) was tested with 0.5% citric acid at 40°C for 24 Hours and followed by ICP-OES and ICP-MS analysis

Elements			Result(s) of 1 st + 2 nd Migration [mg/kg foodstuff]	Maximum Permissible Limits [mg/kg foodstuff]
			Sample 001 [§]	
1	Tin	(Sn)	<1.0	700
2	Copper	(Cu)	<0.2	28
3	Iron	(Fe)	<0.2	280
4	Manganese	(Mn)	<0.2	12.6
5	Zinc	(Zn)	<0.2	35
6	Aluminum	(Al)	<0.2	35
7	Nickel	(Ni)	<0.1	0.98
8	Chromium	(Cr)	<0.10	1.75
9	Barium	(Ba)	<0.2	8.4
10	Lithium	(Li)	<0.01	0.336
11	Beryllium	(Be)	<0.004	0.07
12	Vanadium	(V)	<0.004	0.07
13	Cobalt	(Co)	<0.004	0.14
14	Arsenic	(As)	<0.0008	0.014
15	Molybdenum	(Mo)	<0.004	0.84
16	Silver	(Ag)	<0.004	0.56
17	Cadmium	(Cd)	<0.0008	0.035
18	Antimony	(Sb)	<0.01	0.28
19	Mercury	(Hg)	<0.001	0.021
20	Thallium	(Tl)	<0.0002	0.0007
21	Lead	(Pb)	<0.02	0.07
Conclusion			Pass	-

Note 1. "mg/kg" denotes milligram per kilogram foodstuff

2. "<" denotes less than

3. "§" denotes result from average of 3 trials

4. Limit is quoted from EDQM Technical Guide on Metals and Alloys used in Food Contact Materials and Articles

3.14 Extractable 21 Heavy Metals

Test as specified in EDQM Technical Guide on Metals and Alloys used in Food Contact Materials and Articles

Sample(s) was tested with 0.5% citric acid at 40°C for 24 Hours and followed by ICP-OES and ICP-MS analysis

Elements			Result(s) of 3 rd Migration [mg/kg foodstuff]	Maximum Permissible Limits [mg/kg foodstuff]
			Sample 001 ^s	
1	Tin	(Sn)	<0.5	100
2	Copper	(Cu)	<0.1	4
3	Iron	(Fe)	<0.1	40
4	Manganese	(Mn)	<0.1	1.8
5	Zinc	(Zn)	<0.1	5
6	Aluminum	(Al)	<0.1	5
7	Nickel	(Ni)	<0.05	0.14
8	Chromium	(Cr)	<0.05	0.25
9	Barium	(Ba)	<0.1	1.2
10	Lithium	(Li)	<0.005	0.048
11	Beryllium	(Be)	<0.002	0.01
12	Vanadium	(V)	<0.002	0.01
13	Cobalt	(Co)	<0.002	0.02
14	Arsenic	(As)	<0.0004	0.002
15	Molybdenum	(Mo)	<0.002	0.12
16	Silver	(Ag)	<0.002	0.08
17	Cadmium	(Cd)	<0.0004	0.005
18	Antimony	(Sb)	<0.005	0.04
19	Mercury	(Hg)	<0.0005	0.003
20	Thallium	(Tl)	<0.0001	0.0001
21	Lead	(Pb)	<0.01	0.01
Conclusion			Pass	-

Note 1. "mg/kg" denotes milligram per kilogram foodstuff

2. "<" denotes less than

3. "s" denotes result from average of 3 trials

4. Limit is quoted from EDQM Technical Guide on Metals and Alloys used in Food Contact Materials and Articles



3.15 Total Lead, Cadmium and Arsenic

- Acid digestion followed by ICP-OES or AAS

Items	Results [%]	Maximum Permissible Limit [%]
	Sample 001	
Lead (Pb)	<0.002	0.05
Cadmium (Cd)	<0.002	0.01
Arsenic (As)	<0.002	0.03
Conclusion	Pass	-

Note 1. “%” denotes percentage by weight

2. “<” denotes less than

3. Limit is quoted from Swiss Food and Commodities Regulation SR 817.023.21

-- END OF THE TEST REPORT --



General Terms and Conditions

of TÜV SÜD Hong Kong Limited
(hereinafter referred to as *the company*)



1. General Information and Definitions

- (1.1) In the event that an order for any services is placed, the Client shall accept the General Terms and Conditions. The General Terms and Conditions shall be applicable to all orders, resulting contracts and other arrangements, including all offers made or services provided by the Company or any of its affiliated companies. They are not applicable if and as far as they are in conflict with the regulations on services performed on behalf of governments, government bodies or any other public entity, or they are in conflict with mandatory provisions of local law. The Client's placement of orders as well as the conclusion of contracts with the Company shall be regarded as awareness and acceptance of these General Terms and Conditions.
- (1.2) The Company strongly recommends any Client or potential Client to read the full text of these General Terms and Conditions prior to placement of any order to or conclusion of any contract with the Company. Ancillary agreements, promises and other statements made on the part of the Company staff or the experts called upon by them shall be binding only if they are expressly confirmed by the Company in writing. This shall also apply to any modifications of this clause.

2. Provision of Services

- (2.1) With due care and skill, the Company will provide services according to Client's specific instructions as made available by the Client. In the absence of Client's specific instructions, the following is deemed as instructions given to the Company:
- The terms of any standard specification sheet or standard order form provided by the Company; and/or
 - Any relevant usage, practice or trade custom; and/or
 - Such methods the Company considers technically, operationally and/or on financial grounds appropriate.
- (2.2) No other party is entitled to give any instructions particularly on the scope and type of the services or the reports delivered, or on the resulting certificates (the "Reports of Findings"), unless the Company receives prior written instructions to the contrary from the Client. The Client hereby irrevocably authorizes the Company to deliver Reports of Findings to a third party where so instructed by the Client or, at the Company's discretion, where it implicitly follows from circumstances, trade custom, usage or practice.
- (2.3) The Information stated in the Report of Findings is derived from the results of inspection or testing procedures carried out in accordance with the instructions and/or Company's assessment of such results on the basis of any technical standards, trade custom or practice, or other circumstances which should in Company's professional experience be taken into account.
- (2.4) Reports of Findings issued after the testing of samples refer the Company's opinion only on samples under testing and not to the lot from which the samples were drawn.
- (2.5) Client agrees that the Company's sole responsibility is to be present at the time of the third party's intervention and to forward the results, or confirm the occurrence of the intervention, in case Client requests the Company to witness any third party's intervention. Client agrees that the Company will use the test methods for analysis as requested in the request form, and if none is stated in the form, the Company will choose the appropriate test methods for analysis.
- (2.6) The Reports of Findings issued by the Company will reflect the facts as recorded by it at the time of its intervention only and within the limits of the instructions received or, in the absence of such instructions, within the limits of the alternative parameters applied as provided for in Clause 2.1. The Company is under no obligation to refer to, or report upon, any facts or circumstances, which are outside the specific instructions received or alternative parameters applied.
- (2.7) The performance of all or part of the services may be delegated to an agent or subcontractor by the Company. The Client authorizes the Company to disclose all information necessary for such performance to the agent or subcontractor.
- (2.8) Documents reflecting engagements contracted between the Client and third parties or third party documents, e.g. sales contract copies, letters of credit, bills of lading, etc. should be made available to the Company. These are considered to be for information only, and do not extend or restrict the scope of the services or the obligations accepted by the Company.
- (2.9) The Company agrees that, by providing the services to the Client, it neither takes the place of Client or any third party, nor otherwise assumes, abridges, abrogates or undertakes to discharge any duty of the Client to any third party or that of any third party to the Client. Also, it does not release the Client or any third party from any of their obligations.
- (2.10) Depending on the nature of each sample, all samples given to the Company shall be retained for a maximum of 3 months or for such other shorter time period as the nature of the sample permits, and then sent back to Client or otherwise disposed of at the Company's discretion. After that time the Company will not be responsible for the samples. Storage of samples for more than 3 months shall incur a storage fee payable by the Client. If samples are returned to the Client, the Client will be billed a handling and freight fees. Special disposal charges will be billed to the Client if incurred.

3. Client's Obligations

The Client shall:

- ensure that all required supporting documents, information and instructions as submitted are accurate, truthful and complete. These information are to be submitted in a timely not later than 2 working days from the date of which the services are requested by the Client
- ensure to give all necessary access for the Company's representatives to the premises where the services are to be performed and to take all necessary steps to eliminate or remedy any obstacles to, or interruptions in the performance of the services;
- make available any special equipment and personnel necessary for the performance of the services, if required;
- ensure that for the safety and security of working conditions, sites and installations, all necessary measures are taken during the performance of services. In this respect, the Client will not rely on the Company's advice whether required or not;
- inform the Company of any known hazards or dangers, actual or potential, associated with any order, samples, testing or any other service rendered by the Company well in advance. Those are, but are not limited to the presence or risk of radiation, environmental pollution or poisons- toxic or noxious or explosive elements or materials;
- fully exercise all its rights and discharge all its liabilities under any relevant sales or other contract with a third party.

4. Fees and Payment

- All Fees not agreed on between the Company and Client at the time the order is placed or a contract is concluded shall be determined by the Company's Schedule of Fees (which are subject to change). All applicable taxes shall be paid by Client, as far as mandatory laws do not provide otherwise.
- Unless a specific period is established in the invoice, the Client shall pay upon receiving the invoice, but not later than 30 days from the relevant invoice date or within such other period as may be established by the Company in the invoice (the "Due Date").
- The Client shall not be entitled to retain or defer due payment of any sums to the Company on account of any dispute, counter claim or set-off against the Company. The Company reserves the right to retain or defer any due payments if any dispute arises with or it raises any counterclaim against the Client. The Company is entitled to set off due payments against payments of the Client.
- For the collection of unpaid fees, the Company may decide to bring action in any court with competent jurisdiction. The corresponding collection costs, including attorney's fees and related costs, shall be borne by the Client, as far as the mandatory local law does not provide otherwise.
- In case of any unforeseen problems or expenses arise while carrying out the services, the Company informs the Client. In such cases, the Company shall be entitled to charge additional fees to cover extra time and to invoice extra costs necessarily incurred to complete the services.
- If the Company is unable to perform all or parts of the services for any cause whatsoever beyond the Company's control, including the failure by Client to comply with any of its obligations provided for in the foregoing Clause 3, the Company shall nevertheless be entitled to payments of:
 - The amount of all non-refundable expenses incurred by the Company; and
 - A proportion of the agreed fee equal to the proportion of the services actually carried out.

5. Suspension or Termination of Services

In any case mentioned below, the Company shall be entitled to either suspend or terminate the provision of the services immediately and without any liability:

- Failure by the Client to comply with any of its obligations under these General Terms and Conditions

and such failure is not remedied within 10 days after a notice of such failure has been delivered to the Client; or

- Any suspension of payment, arrangement with creditors, bankruptcy, insolvency, receivership or cessation of business by Client.

6. Liability and Indemnification

(6.1) Limitation of Liability.

- Clients seeking a guarantee against loss or damage should obtain appropriate insurance. The Company is neither an insurer nor a guarantor and disclaims all liability in such capacity.
 - Reports of Findings are issued on the basis of the information, documents and/or samples provided by, or on behalf of the Client and solely for the benefit of the Client who is obliged to act on the basis of such Reports of Findings. Neither the Company nor any of its staff, agents or subcontractors shall be liable to the Client nor to any third party for any actions taken or not taken on the basis of such Reports of Findings, or for any incorrect results arising from unclear, erroneous, incomplete, misleading or false information provided to the Company.
 - For any delayed, total or partial non-performance of the services arising directly or indirectly from any event beyond the Company's control, including failure by Client to comply with any of its obligations hereunder, the Company shall not be liable.
 - The liability of the Company in respect of any claim for loss, damage or expense of any nature and howsoever arising shall in no circumstances exceed a total aggregate sum equal to 10 times the amount of the fee paid in respect of the specific service which gives rise to such claim, and shall in any case not exceed the equivalent of 25,000 EUR in HKD.
 - For any indirect or consequential loss (including loss of profits), the Company shall not have any liabilities.
 - In case of any claim, the Client must give written notice to the Company within 30 days of discovery of the facts with all necessary documents to justify such claim. In any case, the Company shall be discharged from all liability for all claims for loss, damage or expense unless a lawsuit is brought within three years from:
 - the performance date of the Company for its services which refers to the claim; or
 - the date when the service should have been completed in the event of any alleged non-performance.
- (6.2) Indemnification Against all claims (actual or threatened) by any third party for loss, damage or expenses of whatsoever nature including all legal expenses and related costs and howsoever arising relating to the performance, purported performance or non-performance of any services, the Client shall guarantee, hold harmless and indemnify the Company and its officers, employees, agents or subcontractors.

7. Obligation of Confidentiality, Copyright, Data Privacy Protection

- The Company shall be authorized to make file copies of written documents, which have been made available to it for review and which are important for processing the order.
- Insofar as Reports of Findings are prepared in the course of processing the order and which are subject to the protection of copyright, then the Company shall grant the Client a simple, non-transferable right to use, insofar as this is necessary and in accordance with the contractually presupposed purpose. Other rights shall not be transferred; in particular, the customer shall not be entitled to modify and/or edit audit reports or to make use of such outside of his business premises.
- The Company and its staff which may be called in shall not disclose or use trade and business matters about which they have gained knowledge during the performance of their work without proper authorization, or unless instructed by a court or authorized body (e.g. regulatory authority, accreditation body or certification scheme owner) or otherwise legally required.
- For all nonpublic personal information, protected health information, other personal information, and personal data as each of those terms is defined in or by application of each respective privacy regulations under Governing Law (collectively, the "Personal Data"), the Client confirms that the Personal Data has been collected and processed and that consents required to provide the Personal Data to the Company have been obtained in accordance with the privacy regulations under Governing Law; and the Company shall only store, process, transfer and use the Client's Personal Data for the proper implementation of orders, contracts and for its own purposes and shall observe the applicable privacy regulations. To this end, the Company will also use automated data processing systems.

8. Miscellaneous

- The validity, legality and enforceability of the remaining provisions shall not in any way be affected or impaired, even if any one or more provisions of these General Conditions are found to be illegal or unenforceable in any respect.
- Client shall not directly or indirectly entice, encourage or make any offer to Company's employees to leave their employment with the Company, during the course of providing the services and for a period of one year thereafter.
- Use of the Company's corporate name or registered marks for advertising purposes is not permitted without the Company's prior written authorization.

9. Governing Law, Jurisdiction and Dispute Settlement

- Unless specifically agreed otherwise, all disputes arising out of or in connection with contractual relationship(s) hereunder shall be governed by the applicable laws and regulations of the Hong Kong S.A.R Region.
- Place of performance for any obligation arising out of this contract shall be Hong Kong, the Place of the TÜV SÜD Hong Kong Limited unless otherwise expressly agreed by the parties.

10. Languages

In the event of any discrepancy between the English and the Chinese version of these General Terms and Conditions, the English version shall prevail.