

Test Report No.: 68.418.21.9021.01C

Dated: 2021-10-27



Applicant : YIXING MCD OVEN CO., LTD
Luojian Industrial Zone, Dingshu Town, Yixing City,
Jiangsu Province, China

Sample Description : MCD-1300G (tepro#1763/Lidl IAN# 384598/IAN# 384594)

Style No. / Name / Design No. : 1763

Country of Origin : CHINA

Test Sample Receipt Date, Location : 2021-09-16, Shenzhen

Test Period, Location : From 2021-09-16 to 2021-10-14,
From 2021-10-21 to 2021-10-26, Shenzhen

Test Result(s) : Refer to Section 3





Purpose Of Examination / Conclusion:

No.	Test Item(s)	Conclusion
1.	Total Lead	Pass
2.	Organotin Compounds	Pass
3.	Polycyclic Aromatic Hydrocarbons (PAHs)	Pass
4.	Phthalates	Pass
5.	Short-Chain Chlorinated Paraffins (SCCP) Test	Pass
6.	Total Cadmium	Pass
7.	Medium Chain Chlorinated Paraffins (MCCP)	Pass

Remarks:

- (1) The results relate only to the items tested.
- (2) Samples are tested as received.
- (3) "Pass" means the measured result is within a limit, even when extended by expanded uncertainty. "Fail" means the measured result is beyond a limit, even when extended by expanded uncertainty. "Inconclusive" means the measured result can be within or beyond a limit when extended by expanded uncertainty. The confidence level of the expanded uncertainty for "Pass", "Fail" and "Inconclusive" is 95%.
- (4) The test sample was specified by the client.
- (5) The conclusion was drawn according to the client's specification.

TüV Süd Certification and Testing (China) Co., Ltd. Shenzhen Branch
TüV Süd Group

Prepared by:

Reviewed by:

Simon



Angelina

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Project Engineer

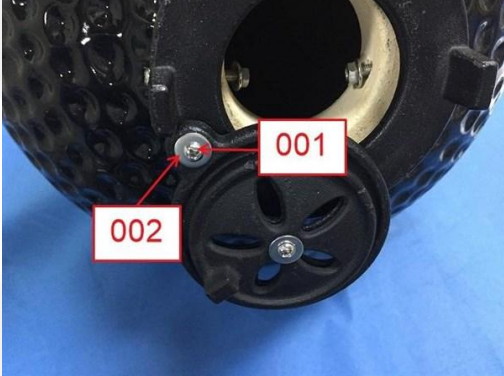


Angelina Wang
Supervisor

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1. Description of the Test Sample:

Sample Description	MCD-1300G (tepro#1763/Lidl IAN# 384598/IAN# 384594)
	

2. List of Materials as identified by the Laboratory:

T. No.	Sample No.	Colour and Description	Photograph
T1	001	Silvery metal (Screw)	
T2	002	Silvery metal (Washer)	
T3	003	Silvery metal (Shell)	
T4	004	Black coating on surface	

T. No.	Sample No.	Colour and Description	Photograph
T5	005	Silvery metal without coating	
T6	006	Silvery metal (Screw)	
T7	007	Silvery metal (Nut)	
T8	008	Silvery metal (Washer)	
T9	009	Silvery metal (Rod)	
T10	010	Silvery metal (Spring)	
T11	011	Silvery metal (Plate)	


T. No.	Sample No.	Colour and Description	Photograph
T12	012	Black plated metal (Plate)	
T13	013	Silvery metal (Grill)	
T14	014	Silvery metal (Wrench)	
T15	015	Black soft plastic (Cover)	

T. No.	Sample No.	Colour and Description	Photograph
T16	016	Black felt	
T17	017	Clear coating on surface	
T18	018	Black powder on hardware	
T19	019	Black powder on carbon disk	

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T. No.	Sample No.	Colour and Description	Photograph
	019A	Black powder on carbon disk Submitted on 2021-10-21	 A photograph showing a small, clear plastic bag containing a dark, powdery substance. The bag is centered against a solid blue background. Below the bag, a portion of a ruler is visible, showing markings from approximately 450 to 750 millimeters.





3. Test Results

3.1 Total Lead

Microwave / Acid Digestion and detection with ICP-OES/ AAS

[Reporting Limit = 10.0mg/kg]

Sample No	CAS No.	Result [mg/kg]	Client's Limit [mg/kg]	Conclusion
001	7439-92-1	<10.0	<100	Pass
002	7439-92-1	<10.0	<100	Pass
003	7439-92-1	<10.0	<100	Pass
004+017	7439-92-1	<10.0	<100	Pass
005	7439-92-1	<10.0	<100	Pass
006	7439-92-1	<10.0	<100	Pass
007	7439-92-1	<10.0	<100	Pass
008	7439-92-1	<10.0	<100	Pass
009	7439-92-1	<10.0	<100	Pass
010	7439-92-1	<10.0	<100	Pass
011	7439-92-1	<10.0	<100	Pass
012	7439-92-1	<10.0	<100	Pass
013	7439-92-1	<10.0	<100	Pass
014	7439-92-1	<10.0	<100	Pass
015	7439-92-1	<10.0	<100	Pass
018+019	7439-92-1	<10.0	<100	Pass

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

2. "<" denotes less than

3.2 Organotin Compounds

In house method test with reference to DIN EN ISO 17353:2005, solvent extraction with acidified methanol, followed by derivatization and GC-MS analysis

[Reporting Limit = 0.025mg/kg]

Compounds	CAS No.	Result			Client's Limit
		Sample 004+017	Sample 015	Sample 016	
MBT	78763-54-9 2406-65-7 1118-46-3	0.179	<0.025	<0.025	≤1.0
MOT	94410-07-8 3091-25-6	<0.025	<0.025	<0.025	≤1.0
DBT	14488-53-0 1002-53-5 683-18-1	0.037	<0.025	<0.025	≤1.0
DOT	250252-87-0 94410-05-6 3542-36-7	<0.025	<0.025	<0.025	≤1.0
TBT	36643-28-4 1461-22-9	<0.025	<0.025	<0.025	≤0.5
TeBT	1461-25-2	<0.025	<0.025	<0.025	≤1.0
TcyT	36580-86-6 3091-32-5	<0.025	<0.025	<0.025	≤1.0
TPrT	2279-76-7	<0.025	<0.025	<0.025	≤1.0
Conclusion		Pass	Pass	Pass	-

Note:

1. "mg/kg" denotes milligram per kilogram
2. "<" denotes less than



3.2 Organotin Compounds

In house method test with reference to DIN EN ISO 17353:2005, solvent extraction with acidified methanol, followed by derivatization and GC-MS analysis
 [Reporting Limit = 0.025mg/kg]

Compounds	CAS No.	Result	Client's Limit
		Sample 018+019	
MBT	78763-54-9 2406-65-7 1118-46-3	0.209	≤1.0
MOT	94410-07-8 3091-25-6	<0.025	≤1.0
DBT	14488-53-0 1002-53-5 683-18-1	<0.025	≤1.0
DOT	250252-87-0 94410-05-6 3542-36-7	<0.025	≤1.0
TBT	36643-28-4 1461-22-9	<0.025	≤0.5
TeBT	1461-25-2	<0.025	≤1.0
TcyT	36580-86-6 3091-32-5	<0.025	≤1.0
TPrT	2279-76-7	<0.025	≤1.0
Conclusion		Pass	-

Note:

1. "mg/kg" denotes milligram per kilogram
2. "<" denotes less than

3.3 Polycyclic Aromatic Hydrocarbons (PAHs)

Test according to German Committee on Product Safety (AfPS) AfPS GS 2019:01 PAK

Solvent extraction followed by GC-MS analysis

[Reporting Limit = 0.10mg/kg]

Compounds	CAS No.	Results [mg/kg]		
		Sample 004+017	Sample 015	Sample 016
Naphthalene	91-20-3	<0.10	<0.10	<0.10
Phenanthrene	85-01-8	0.17	<0.10	<0.10
Anthracene	120-12-7	<0.10	<0.10	<0.10
Fluoranthene	206-44-0	<0.10	<0.10	<0.10
Pyrene	129-00-0	<0.10	<0.10	<0.10
Sum Of 4 PAHs	-	<0.40	<0.40	<0.40
Benzo[a]anthracene	56-55-3	<0.10	<0.10	<0.10
Chrysene	218-01-9	<0.10	<0.10	<0.10
Benzo[b]fluoranthene	205-99-2	<0.10	<0.10	<0.10
Benzo[j]fluoranthene	205-82-3	<0.10	<0.10	<0.10
Benzo[k]fluoranthene	207-08-9	<0.10	<0.10	<0.10
Benzo[a]pyrene	50-32-8	<0.10	<0.10	<0.10
Benzo[e]pyrene	192-97-2	<0.10	<0.10	<0.10
Benzo[ghi]perylene	191-24-2	<0.10	<0.10	<0.10
dibenzo[ah]anthracene	53-70-3	<0.10	<0.10	<0.10
Indeno[1,2,3-cd]pyrene	193-39-5	<0.10	<0.10	<0.10
Sum of detected 15 PAHs	-	<1.50	<1.50	<1.50
Category		Category 2	Category 2	Category 2
Conclusion		Pass	Pass	Pass

Note:

1. "mg/kg" denotes milligram per kilogram
2. "<" denotes less than
3. Limit:

Parameter (mg/kg)	Category 1 Materials intended to be taken into the mouth, or materials in toys acc. to DIR 2009/48/EC or materials in articles intended for the use by children up to 3 years of age having long-term skin contact (more than 30s) within intended use	Category 2 Materials that do not fall into category 1, with long-term skin contact (more than 30s) or repeated short-term skin contact ^b within intended or foreseeable use ^a		Category 3 Materials that do neither fall into category 1 nor 2, with short-term skin contact (up to 30s) within foreseeable use ^a	
		Use by children ^{c,d}	Other consumer products	Use by children ^{c,d}	other consumer products
-	-				
Benzo[a]pyrene, Benzo[e]pyrene, Benzo[a]anthracene, Benzo[b]fluoranthene, Benzo[j]fluoranthene, Benzo[k]fluoranthene, Chrysene, Dibenzo[a,h]anthracene, Benzo[ghi]perylene, Indeno[1,2,3-cd]pyrene	Each < 0.2	Each < 0.2	Each <0.5	Each <0.5	Each <1
Naphthalene	<1	<2		<10	
Sum of Phenanthrene, Pyrene, Anthracene, Fluoranthene,	Sum <1	Sum <5	Sum <10	Sum <20	Sum <50
Sum 15 PAHs	<1	<5	<10	<20	<50

Note 1 : ^{aa} denotes according to terminology of the Product Safety Act (ProdSG) (section 1 Paragr. 2 no. 28) intended use means the use of a product in a manner which has not been intended by the person that placed it on the market, however, is reasonably foreseeable.

Note 2 : ^{bb} denotes wording "repeated short-term skin contact" according to REACH Annex XVII No. 50 supplement (Regulation (EU) no. 1272/2013).

Note 3 : ^{cc} denotes a "child" is legally defined as a person before reaching the age of 14 years.

Note 4 : ^{dd} denotes use by children includes both active and passive direct contact by children.

3.3 Polycyclic Aromatic Hydrocarbons (PAHs)

Test according to German Committee on Product Safety (AfPS) AfPS GS 2019:01 PAK

Solvent extraction followed by GC-MS analysis

[Reporting Limit = 0.10mg/kg]

Compounds	CAS No.	Results [mg/kg]	
		Sample 018	Sample 019A
Naphthalene	91-20-3	0.66	3.11
Phenanthrene	85-01-8	0.42	0.33
Anthracene	120-12-7	<0.10	<0.10
Fluoranthene	206-44-0	<0.10	0.14
Pyrene	129-00-0	<0.10	<0.10
Sum Of 4 PAHs	-	0.42	0.47
Benzo[a]anthracene	56-55-3	<0.10	<0.10
Chrysene	218-01-9	<0.10	<0.10
Benzo[b]fluoranthene	205-99-2	<0.10	<0.10
Benzo[j]fluoranthene	205-82-3	<0.10	<0.10
Benzo[k]fluoranthene	207-08-9	<0.10	<0.10
Benzo[a]pyrene	50-32-8	<0.10	<0.10
Benzo[e]pyrene	192-97-2	<0.10	<0.10
Benzo[ghi]perylene	191-24-2	<0.10	<0.10
dibenzo[ah]anthracene	53-70-3	<0.10	<0.10
Indeno[1,2,3-cd]pyrene	193-39-5	<0.10	<0.10
Sum of detected 15 PAHs	-	<1.50	3.58
Category		Category 2	Category 3
Conclusion		Pass	Pass

Note:

1. "mg/kg" denotes milligram per kilogram
2. "<" denotes less than
3. Limit:

Parameter (mg/kg)	Category 1 Materials intended to be taken into the mouth, or materials in toys acc. to DIR 2009/48/EC or materials in articles intended for the use by children up to 3 years of age having long-term skin contact (more than 30s) within intended use	Category 2 Materials that do not fall into category 1, with long-term skin contact (more than 30s) or repeated short-term skin contact ^b within intended or foreseeable use ^a		Category 3 Materials that do neither fall into category 1 nor 2, with short-term skin contact (up to 30s) within foreseeable use ^a	
		Use by children ^{c,d}	Other consumer products	Use by children ^{c,d}	other consumer products
-	-	Use by children ^{c,d}	Other consumer products	Use by children ^{c,d}	other consumer products
Benzo[a]pyrene, Benzo[e]pyrene, Benzo[a]anthracene, Benzo[b]fluoranthene, Benzo[j]fluoranthene, Benzo[k]fluoranthene, Chrysene, Dibenzo[a,h]anthracene, Benzo[ghi]perylene, Indeno[1,2,3-cd]pyrene	Each < 0.2	Each < 0.2	Each < 0.5	Each < 0.5	Each < 1
Naphthalene	<1	<2		<10	
Sum of Phenanthrene, Pyrene, Anthracene, Fluoranthene,	Sum <1	Sum <5	Sum <10	Sum <20	Sum <50
Sum 15 PAHs	<1	<5	<10	<20	<50

Note 1 : sm denotes according to terminology of the Product Safety Act (ProdSG) (section 1 Paragr. 2 no. 28) intended use means the use of a product in a manner which has not been intended by the person that placed it on the market, however, is reasonably foreseeable.

Note 2 : sm denotes wording "repeated short-term skin contact" according to REACH Annex XVII No. 50 supplement (Regulation (EU) no. 1272/2013).

Note 3 : sm denotes a "child" is legally defined as a person before reaching the age of 14 years.

Note 4 : sm denotes use by children includes both active and passive direct contact by children.

3.4 Phthalates.

Solvent extraction and GC-MS analysis.

[Reporting Limit = 0.005%]

Phthalates	CAS No.	Results [%]			Client's Limit [%]
		Sample 004+017	Sample 015	Sample 018+019	
Bis (2-ethylhexyl) phthalate, DEHP	117-81-7	<0.005	<0.005	<0.005	-
Dibutyl phthalate, DBP	84-74-2	<0.005	<0.005	<0.005	-
Benzyl butyl phthalate, BBP	85-68-7	<0.005	<0.005	<0.005	-
Diisobutylphthalate, DIBP	84-69-5	<0.005	<0.005	<0.005	-
Sum of DBP, BBP, DEHP, DIBP	-	<0.005	<0.005	<0.005	<0.075
Di-isononyl phthalate, DINP	28553-12-0 , 68515-48-0	<0.005	<0.005	<0.005	-
Di-isodecyl phthalate, DIDP	26761-40-0 , 68515-49-1	<0.005	<0.005	<0.005	-
Di-n-octyl phthalate, DNOP	117-84-0	<0.005	<0.005	<0.005	-
Sum of DINP, DIDP, DNOP	-	<0.005	<0.005	<0.005	<0.075
Bis(2-methoxyethyl)phthalate (DMEP)	117-82-8	<0.005	<0.005	<0.005	<0.075
Di-n-hexyl phthalate (DnHP)	84-75-3	<0.005	<0.005	<0.005	<0.075
Dicyclohexyl phthalate (DCHP)	84-61-7	<0.005	<0.005	<0.005	<0.075
Diisooctyl phthalate (DIOP)	27554-26-3	<0.005	<0.005	<0.005	-
Diisopentyl phthalate (DiPP)	605-50-5	<0.005	<0.005	<0.005	<0.075
n-Pentyl-isopentylphthalate (nPiPP)	776297-69-9	<0.005	<0.005	<0.005	<0.075
Diphenyl phthalate (DPhP)	84-62-8	<0.005	<0.005	<0.005	<0.075
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	<0.005	<0.005	<0.005	<0.075
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	<0.005	<0.005	<0.005	<0.075
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	71888-89-6	<0.005	<0.005	<0.005	<0.075
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)	68515-42-4	<0.005	<0.005	<0.005	<0.075
Dipropylheptyl phthalate(DPHP)	53306-54-0	<0.005	<0.005	<0.005	<0.075
Di-iso-hexyl phthalate,DiHxP	71850-09-4	<0.005	<0.005	<0.005	<0.075
Dipentyl phthalate (DPP)	131-18-0	<0.005	<0.005	<0.005	<0.075
1,2-Benzenedicarboxylic acid, di-C6-10-alkyl esters, Di(C6-C10)alkyl phthalate	68515-51-5 68648-93-1	<0.005	<0.005	<0.005	<0.075
Conclusion		Pass	Pass	Pass	-

Note 1. "<" denotes less than

2. "%" denotes percentage by weight .



3.5 Short-Chain Chlorinated Paraffins (SCCP) Test

Extraction with n-hexane and determined by GC-MS

[Reporting Limit = 100mg/kg]

Sample No	CAS No.	Result [mg/kg]	Client's Limit [mg/kg]	Conclusion
004+017	85535-84-8	<100	<1000	Pass
015	85535-84-8	<100	<1000	Pass
018+019	85535-84-8	<100	<1000	Pass

Note 1. "<" denotes less than

2. "mg/kg" denotes milligram per kilogram

3.6 Total Cadmium

Microwave digestion/ With reference to EN 1122:2001 Method B and followed by Atomic Absorption Spectrophotometer (AAS) or Inductively Coupled Plasma Optical Emission Spectrophotometer (ICP-OES)

[Reporting Limit = 10.0mg/kg]

Sample No	CAS No.	Result [mg/kg]	Client's Limit [mg/kg]	Conclusion
004+017	7440-43-9	<10.0	<100	Pass
015	7440-43-9	<10.0	<100	Pass
018+019	7440-43-9	<10.0	<1000	Pass

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

2. "<" denotes less than

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3.7 Medium Chain Chlorinated Paraffins (MCCP)

With reference to EPA 3550C, solvent extraction and analyzed by GC-MS

[Reporting limit: 100mg/kg]

Items	Results [mg/kg]		
	Sample 004+017	Sample 015	Sample 018+019
Medium Chain Chlorinated Paraffins (MCCP)	<100	<100	<100
Client's Limit	<1000		
Conclusion	Pass	Pass	Pass

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

2. "<" denotes less than

-- END OF THE TEST REPORT --

