



Test Report

Number: 170228056GZU-001

Applicant: YIXING MCD OVEN CO., LTD
Luojian Industrial Park, Dingshu town, Yixing city, Jiangsu province

Date: Mar 01, 2017

Sample Description:
Submitted sample said to be: Kamado BBQ Grills, details refer to sample photo.
Model No.: 24790134; 24900915; 24787181; 24896087; 24871516

Sample photos refer to page of this report.

Tests conducted:

As requested by the applicant, refer to attached page(s) for details.

REACH requirement:

As per article 33(1) of regulation (EC) No. 1907/2006 (REACH), recipients of product must be provided with information of safe use if any of the tested substances (SVHC) exceeded 0.1% (w/w). A product meets the requirement of article 33(1) by default when no SVHC exceeds 0.1% (w/w).

Test conclusion:

<u>Tested Sample</u>	<u>Standard</u>	<u>Result</u>
Submitted samples	EU REACH Regulation No 1907/2006 Article 33(1) Obligation to provide information of safe use (see REACH requirement in report for details)	Meet requirement

Remark: All test data of this report was quoted from report No.161207058GZU-001.

Authorized by:
For Intertek Testing Services
Shenzhen Limited Guangzhou Branch

Wendy Cui
Senior Project Engineer



Test Report

Number: 170228056GZU-001

Tests Conducted

1 SVHC Testing Results

By Inductively Coupled Plasma Optical Emission Spectrometry, Ion Chromatography, UV-Visible Spectrophotometry, Gas Chromatographic – Mass Spectrometry, Liquid Chromatographic – Mass Spectrometry and High Performance Liquid Chromatography analysis.

No.	Chemical Substance	CAS No.	Result % (w/w)		
			(1)	(2)	Whole product
1	Cobalt Dichloride Δ	7646-79-9	ND	ND	ND
2	Diarsenic Pentaoxide Δ	1303-28-2	ND	ND	ND
3	Diarsenic Trioxide Δ	1327-53-3	ND	ND	ND
4	Lead Hydrogen Arsenate Δ	7784-40-9	ND	ND	ND
5	Triethyl Arsenate Δ	15606-95-8	ND	ND	ND
6	Sodium Dichromate Δ	7789-12-0, 10588-01-9	ND	ND	ND
7	Bis (Tributyltin) Oxide (TBTO) Δ	56-35-9	ND	ND	ND
8	Anthracene	120-12-7	ND	ND	ND
9	4,4'-Diaminodiphenylmethane (MDA)	101-77-9	ND	ND	ND
10	Hexabromocyclododecane (HBCDD) and All Major Diastereoisomers Identified (α-HBCDD, β-HBCDD, γ-HBCDD)	25637-99-4 and 3194-55-6 (134237-50-6,134237-51-7, 134237-52-8)	ND	ND	ND
11	5-Tert-Butyl-2,4,6-Trinitro-m-Xylene (Musk Xylene)	81-15-2	ND	ND	ND
12	Bis (2-Ethylhexyl) Phthalate (DEHP)	117-81-7	ND	ND	ND
13	Dibutyl Phthalate (DBP)	84-74-2	ND	ND	ND
14	Benzyl Butyl Phthalate (BBP)	85-68-7	ND	ND	ND
15	Short Chain Chlorinated Paraffins (C ₁₀₋₁₃)	85535-84-8	ND	ND	ND
16	Lead Chromate Δ	7758-97-6	ND	ND	ND
17	Lead Chromate Molybdate Sulphate Red (C.I. Pigment Red 104) Δ	12656-85-8	ND	ND	ND
18	Lead Sulfochromate Yellow (C.I. Pigment Yellow 34) Δ	1344-37-2	ND	ND	ND
19	Tris (2-Chloroethyl) Phosphate	115-96-8	ND	ND	ND
20	2,4-Dinitrotoluene	121-14-2	ND	ND	ND
21	Diisobutyl Phthalate (DIBP)	84-69-5	ND	ND	ND
22	Coal Tar Pitch, High Temperature	65996-93-2	ND	ND	ND
23	Anthracene Oil	90640-80-5	ND	ND	ND
24	Anthracene Oil, Anthracene Paste, Distn. Lights	91995-17-4	ND	ND	ND
25	Anthracene Oil, Anthracene Paste, Anthracene Fraction	91995-15-2	ND	ND	ND
26	Anthracene Oil, Anthracene-low	90640-82-7	ND	ND	ND
27	Anthracene Oil, Anthracene Paste	90640-81-6	ND	ND	ND
28	Acrylamide	79-06-1	ND	ND	ND

Tests Conducted

No.	Chemical Substance	CAS No.	Result % (w/w)		
			(1)	(2)	Whole product
29	Boric Acid Δ	10043-35-3, 11113-50-1	ND	ND	ND
30	Disodium Tetraborate, Anhydrous Δ	1330-43-4, 12179-04-3, 1303-96-4	ND	ND	ND
31	Tetraboron Disodium Heptaoxide, Hydrate Δ	12267-73-1	ND	ND	ND
32	Sodium Chromate Δ	7775-11-3	ND	ND	ND
33	Potassium Chromate Δ	7789-00-6	ND	ND	ND
34	Ammonium Dichromate Δ	7789-09-5	ND	ND	ND
35	Potassium Dichromate Δ	7778-50-9	ND	ND	ND
36	Trichloroethylene	79-01-6	ND	ND	ND
37	2-Methoxyethanol	109-86-4	ND	ND	ND
38	2-Ethoxyethanol	110-80-5	ND	ND	ND
39	Cobalt Sulphate Δ	10124-43-3	ND	ND	ND
40	Cobalt Dinitrate Δ	10141-05-6	ND	ND	ND
41	Cobalt Carbonate Δ	513-79-1	ND	ND	ND
42	Cobalt Diacetate Δ	71-48-7	ND	ND	ND
43	Chromium Trioxide Δ	1333-82-0	ND	ND	ND
44	Chromic Acid Δ Dichromic Acid Δ Oligomers of Chromic Acid and Dichromic Acid Δ	7738-94-5 13530-68-2 --	ND	ND	ND
45	Strontium ChromateΔ	7789-06-2	ND	ND	ND
46	2-ethoxyethyl acetate (2-EEA)	111-15-9	ND	ND	ND
47	1,2-Benzenedicarboxylic acid, di-C _{7,11} -branched and linear alkyl esters (DHNUP)	68515-42-4	ND	ND	ND
48	Hydrazine	7803-57-8 302-01-2	ND	ND	ND
49	1-methyl-2-pyrrolidone	872-50-4	ND	ND	ND
50	1,2,3-trichloropropane	96-18-4	ND	ND	ND
51	1,2-Benzenedicarboxylic acid, di-C _{6,8} -branched alkyl esters, C ₇ -rich (DIHP)	71888-89-6	ND	ND	ND
52	Lead dipicrateΔ	6477-64-1	ND	ND	ND
53	Lead styphnateΔ	15245-44-0	ND	ND	ND
54	Lead azide; Lead diazideΔ	13424-46-9	ND	ND	ND
55	Phenolphthalein	77-09-8	ND	ND	ND
56	2,2'-dichloro-4,4'-methylenedianiline (MOCA)	101-14-4	ND	ND	ND
57	N,N-dimethylacetamide (DMAC)	127-19-5	ND	ND	ND
58	Trilead diarsenateΔ	3687-31-8	ND	ND	ND
59	Calcium arsenateΔ	7778-44-1	ND	ND	ND
60	Arsenic acidΔ	7778-39-4	ND	ND	ND
61	Bis(2-methoxyethyl) ether	111-96-6	ND	ND	ND
62	1,2-Dichloroethane	107-06-2	ND	ND	ND

Tests Conducted

No.	Chemical Substance	CAS No.	Result % (w/w)		
			(1)	(2)	Whole product
63	4-(1,1,3,3-tetramethylbutyl)phenol, (4-tert-Octylphenol)	140-66-9	ND	ND	ND
64	2-Methoxyaniline; o-Anisidine	90-04-0	ND	ND	ND
65	Bis(2-methoxyethyl) phthalate (DMEP)	117-82-8	ND	ND	ND
66	Formaldehyde, oligomeric reaction products with aniline (technical MDA)	25214-70-4	ND	ND	ND
67	Pentazinc chromate octahydroxide Δ	49663-84-5	ND	ND	ND
68	Potassium hydroxyoctaoxodizincate di-chromate Δ	11103-86-9	ND	ND	ND
69	Dichromium tris(chromate) Δ	24613-89-6	ND	ND	ND
70	Aluminosilicate Refractory Ceramic Fibres Δ	(Index No. 650-017-00-8)	ND	ND	ND
71	Zirconia Aluminosilicate Refractory Ceramic Fibres Δ	(Index No. 650-017-00-8)	ND	ND	ND
72	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	ND	ND	ND
73	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	ND	ND	ND
74	Diboron trioxide Δ	1303-86-2	ND	ND	ND
75	Formamide	75-12-7	ND	ND	ND
76	Lead(II) bis(methanesulfonate) Δ	17570-76-2	ND	ND	ND
77	TGIC (1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)	2451-62-9	ND	ND	ND
78	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	ND	ND	ND
79	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	90-94-8	ND	ND	ND
80	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	ND	ND	ND
81	[4-[4,4'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) [with \geq 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	548-62-9	ND	ND	ND
82	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26) [with \geq 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	2580-56-5	ND	ND	ND
83	α,α -Bis[4-(dimethylamino)phenyl]-4-(phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) [with \geq 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	6786-83-0	ND	ND	ND
84	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol [with \geq 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	561-41-1	ND	ND	ND

Tests Conducted

No.	Chemical Substance	CAS No.	Result % (w/w)		
			(1)	(2)	Whole product
85	Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	1163-19-5	ND	ND	ND
86	Pentacosfluorotridecanoic acid	72629-94-8	ND	ND	ND
87	Tricosfluorododecanoic acid	307-55-1	ND	ND	ND
88	Henicosfluoroundecanoic acid	2058-94-8	ND	ND	ND
89	Heptacosfluorotetradecanoic acid	376-06-7	ND	ND	ND
90	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	ND	ND	ND
91	Cyclohexane-1,2-dicarboxylic anhydride [1] cis-cyclohexane-1,2-dicarboxylic anhydride [2] trans-cyclohexane-1,2-dicarboxylic anhydride [3] [The individual cis- [2] and trans- [3] isomer substances and all possible combinations of the cis- and trans-isomers [1] are covered by this entry].	85-42-7	ND	ND	ND
		13149-00-3			
		14166-21-3			
92	Hexahydromethylphthalic anhydride [1], Hexahydro-4-methylphthalic anhydride [2], Hexahydro-1-methylphthalic anhydride [3], Hexahydro-3-methylphthalic anhydride [4] [The individual isomers [2], [3] and [4] (including their cis- and trans- stereo isomeric forms) and all possible combinations of the isomers [1] are covered by this entry]	25550-51-0	ND	ND	ND
		19438-60-9			
		48122-14-1			
		57110-29-9			
93	4-Nonylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]	--	ND	ND	ND
94	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]	--	ND	ND	ND
95	Methoxyacetic acid	625-45-6	ND	ND	ND
96	N,N-dimethylformamide	68-12-2	ND	ND	ND
97	Dibutyltin dichloride (DBTC) Δ	683-18-1	ND	ND	ND
98	Lead monoxide (Lead oxide) Δ	1317-36-8	ND	ND	ND
99	Orange lead (Lead tetroxide) Δ	1314-41-6	ND	ND	ND
100	Lead bis(tetrafluoroborate) Δ	13814-96-5	ND	ND	ND
101	Trilead bis(carbonate)dihydroxide Δ	1319-46-6	ND	ND	ND
102	Lead titanium trioxideΔ	12060-00-3	ND	ND	ND
103	Lead titanium zirconium oxideΔ	12626-81-2	ND	ND	ND
104	Silicic acid, lead salt Δ	11120-22-2	ND	ND	ND

Tests Conducted

No.	Chemical Substance	CAS No.	Result % (w/w)		
			(1)	(2)	Whole product
105	Silicic acid (H ₂ Si ₂ O ₅), barium salt (1:1), lead-doped Δ [with lead (Pb) content above the applicable generic concentration limit for 'toxicity for reproduction' Repr. 1A (CLP) or category 1 (DSD); the substance is a member of the group entry of lead compounds, with index number 082-001-00-6 in Regulation (EC) No 1272/2008]	68784-75-8	ND	ND	ND
106	1-bromopropane (n-propyl bromide)	106-94-5	ND	ND	ND
107	Methyloxirane (Propylene oxide)	75-56-9	ND	ND	ND
108	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	ND	ND	ND
109	Diisopentylphthalate (DIPP)	605-50-5	ND	ND	ND
110	N-pentyl-isopentylphthalate	776297-69-9	ND	ND	ND
111	1,2-diethoxyethane	629-14-1	ND	ND	ND
112	Acetic acid, lead salt, basic Δ	51404-69-4	ND	ND	ND
113	Lead oxide sulfate Δ	12036-76-9	ND	ND	ND
114	[Phthalato(2-)]dioxotrilead Δ	69011-06-9	ND	ND	ND
115	Dioxobis(stearato)trilead Δ	12578-12-0	ND	ND	ND
116	Fatty acids, C16-18, lead salts Δ	91031-62-8	ND	ND	ND
117	Lead cyanamidate Δ	20837-86-9	ND	ND	ND
118	Lead dinitrate Δ	10099-74-8	ND	ND	ND
119	Pentalead tetraoxide sulphate Δ	12065-90-6	ND	ND	ND
120	Pyrochlore, antimony lead yellow Δ	8012-00-8	ND	ND	ND
121	Sulfurous acid, lead salt, dibasic Δ	62229-08-7	ND	ND	ND
122	Tetraethyllead Δ	78-00-2	ND	ND	ND
123	Tetralead trioxide sulphate Δ	12202-17-4	ND	ND	ND
124	Trilead dioxide phosphonate Δ	12141-20-7	ND	ND	ND
125	Furan	110-00-9	ND	ND	ND
126	Diethyl sulphate	64-67-5	ND	ND	ND
127	Dimethyl sulphate	77-78-1	ND	ND	ND
128	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	ND	ND	ND
129	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	88-85-7	ND	ND	ND
130	4,4'-methylenedi-o-toluidine	838-88-0	ND	ND	ND
131	4,4'-oxydianiline and its salts	101-80-4	ND	ND	ND
132	4-aminoazobenzene	60-09-3	ND	ND	ND
133	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	95-80-7	ND	ND	ND
134	6-methoxy-m-toluidine (p-cresidine)	120-71-8	ND	ND	ND
135	Biphenyl-4-ylamine	92-67-1	ND	ND	ND
136	o-aminoazotoluene [(4-o-tolylazo-o-toluidine)]	97-56-3	ND	ND	ND
137	o-toluidine	95-53-4	ND	ND	ND

Tests Conducted

No.	Chemical Substance	CAS No.	Result % (w/w)		
			(1)	(2)	Whole product
138	N-methylacetamide	79-16-3	ND	ND	ND
139	Cadmium Δ	7440-43-9	ND	ND	ND
140	Cadmium oxide Δ	1306-19-0	ND	ND	ND
141	Dipentyl phthalate (DPP)	131-18-0	ND	ND	ND
142	4-Nonylphenol, branched and linear, ethoxylated [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof]	--	ND	ND	ND
143	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	ND	ND	ND
144	Pentadecafluorooctanoic acid (PFOA)	335-67-1	ND	ND	ND
145	Cadmium sulphide Δ	1306-23-6	ND	ND	ND
146	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0	ND	ND	ND
147	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	ND	ND	ND
148	Dihexyl phthalate (DnHP)	84-75-3	ND	ND	ND
149	Imidazolidine-2-thione (2-imidazoline-2-thiol)	96-45-7	ND	ND	ND
150	Lead di(acetate) Δ	301-04-2	ND	ND	ND
151	Trixylyl phosphate	25155-23-1	ND	ND	ND
152	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear (Diisohexyl phthalate(DIHP))	68515-50-4	ND	ND	ND
153	Cadmium chloride Δ	10108-64-2	ND	ND	ND
154	Sodium perborate; perboric acid, sodium salt Δ	--	ND	ND	ND
155	Sodium peroxometaborate Δ	7632-04-4	ND	ND	ND

Tests Conducted

No.	Chemical Substance	CAS No.	Result % (w/w)		
			(1)	(2)	Whole product
156	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	ND	ND	ND
157	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV320)	3646-71-7	ND	ND	ND
158	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	ND	ND	ND
159	Cadmium fluoride Δ	7790-79-6	ND	ND	ND
160	Cadmium sulphate Δ	10124-36-4 31119-53-6	ND	ND	ND
161	Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and 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 and MOTE)	15571-58-1; 27107-89-7	ND	ND	ND
162	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with $\geq 0.3\%$ of dihexyl phthalate (EC No. 201-559-5)	68515-51-5 68648-93-1	ND	ND	ND
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]	117933-89-8	ND	ND	ND
164	1,3-propanesultone	1120-71-4	ND	ND	ND
165	Perfluorononanoic acid and its sodium and ammonium salts	375-95-1 21049-39-8 4149-60-4	ND	ND	ND
166	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	ND	ND	ND
167	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	ND	ND	ND
168	Nitrobenzene	98-95-3	ND	ND	ND
169	Benzo[a]pyrene	50-32-8	ND	ND	ND

SVHC = Substances of very high concern

Test Report

Number: 170228056GZU-001

Tests Conducted

- ND = Not detected
- Detection limit = 0.050% for whole product
- Δ = Determination was based on elemental analysis. The content was calculated based on assumption of worst-case.

As applicant's requirement, materials were screened in composite testing and results were reported in proportion with the whole product weight.

2. Tested components:

- (1) Wood & plastic & fabric
- (2) Metal & ceramic

Notes:

- 1. Substances of very high concern (SVHC) are classified as:
 - a. Carcinogenic, mutagenic or toxic to reproduction category 1 (proven on humans) and category 2 (proven on animals)
 - b. Persistent, bioaccumulative and toxic chemicals (PBT)
 - c. Very persistent and very bioaccumulative chemicals (vPvB)
 - d. Other similar substances such as endocrine disrupters
- 2. If the imported or manufactured volume of each individual SVHC in article is more than 0.1% (w/w) and if it exceeds 1 tonne per year across all product ranges, then importer or manufacturer require notification to the European Chemical Agency (ECHA). For substances included in the Candidate List on or after 1 December 2010, the notifications have to be submitted no later than 6 months after the inclusion. The following information has to be submitted for notification:
 - a. Identification of the registrant and the substance
 - b. Classification and labelling of the substance
 - c. Description of use of the substance and the article
 - d. Registration number, if available
 - e. Tonnage range

REACH requirement:

As per article 33(1) of regulation (EC) No. 1907/2006 (REACH), recipients of product must be provided with information of safe use if any of the tested substances (SVHC) exceeded 0.1% (w/w). A product meets the requirement of article 33(1) by default when no SVHC exceeds 0.1% (w/w).

Date sample received: Dec 08, 2016

Testing period: Dec 08, 2016 to Dec 16, 2016

Test Report

Number: 170228056GZU-001

Tests Conducted
Sample photos:





Test Report

Number: 170228056GZU-001

Tests Conducted

**Appendix A
Revision Page**

Revision No.	Date	Changes	Author	Reviewer
0	Mar 01, 2017	First issue	Penny Pan	Wendy Cui

End of report

This report is made solely on the basis of your instructions and/or information and materials supplied by you. It is not intended to be a recommendation for any particular course of action. Intertek does not accept a duty of care or any other responsibility to any person other than the Client in respect of this report and only accepts liability to the Client insofar as is expressly contained in the terms and conditions governing Intertek's provision of services to you. Intertek makes no warranties or representations either express or implied with respect to this report save as provided for in those terms and conditions. We have aimed to conduct the Review on a diligent and careful basis and we do not accept any liability to you for any loss arising out of or in connection with this report, in contract, tort, by statute or otherwise, except in the event of our gross negligence or wilful misconduct.