

FUJIAN AUPLEX KAMADO GRILL CO., LTD

2# BUILDING, NO.318 BAILONG VILLAGE, ZHUQI VILLAGE, MINHOU COUNTY, FUZHOU, FUJIAN, CHINA

The following sample(s) was/were submitted and identified on behalf of the client as:

Sample Description : CERAMIC GRILL  
 SGS Ref No. : SDHL1706011006GA,T51710230004SC  
 Style / Item No. : 32CM AUPLEX  
 Sample Receiving Date : Jun. 1, 2017  
 Test Performing Date : Jun. 1, 2017 to Jun. 13, 2017  
 Test Performed : Selected test(s) as requested by applicant  
 Test Required : In accordance with EN 1860-1:2013 Appliances, solid fuels and firelighters for barbecuing - Part 1: Barbecues burning solid fuels - requirements and test methods.  
 Test Result(s) : For further details, please refer to the following page(s)

### Test Result Summary

No.	Test(s) Requested	Result(s)	Comments
1	In accordance with EN 1860-1:2013 Appliances, solid fuels and firelighters for barbecuing - Part 1: Barbecues burning solid fuels - requirements and test methods.	PASS	Exclude Regulation (EC) No 1935/2004
For further details, please refer to the following page(s)			

Signed for and on behalf of  
 Xiamen Branch, SGS-CSTC Co., Ltd.



Sharky Xia  
 Approved Signatory



SGS-CSTC Inspection & Testing Services Co., Ltd.  
 Xiamen Branch Testing Center Handlines

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SGS Ref. No. is SDHL1706011006GA. This test was subcontracted to Shunde Branch SGS-CSTC Co., Ltd.

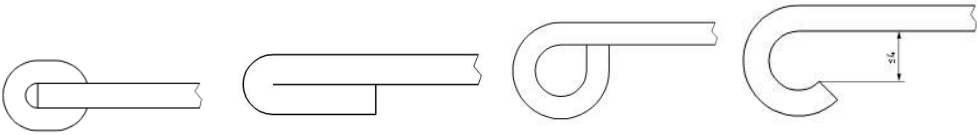
**Test Conducted:**

EN 1860-1:2013 Appliances, solid fuels and firelighters for barbecuing--Part 1: Barbecues burning solid fuels—requirements and test methods.

**Sample Size (Approximately):**

Overall size : Length:380mm X Width:425mm X Height:550mm  
 Cooking grid size : Diameter:265mm

**Tested Result:** details shown as following table.

Clause	Test Items	Result
4	Requirements	
4.1	General requirements	
	When testing as described in 5.2, the coatings of the barbecue accessories shall not liberate any solid substance nor ignite. Also any solid substance coming from other parts of the barbecue shall not ignite nor fall into the usable area.	PASS
	For surfaces of and coatings on parts of the barbecue coming into contact with the food to be barbecued, cooking grid, rotisserie spit, rotisserie meat forks and gravy trays, see Regulation (EC) No 1935/2004 (see Bibliography). Differing legal requirements may exist in non-EU-countries.	NT
	It shall be possible to assemble and dismantle suitcase or portable barbecues as described in the instructions for use either without the aid of a tool or using the tool that is supplied. Components shall be fixed in such a way that they can not fall off during transportation.	NA
	When assembling, operating and manipulating the barbecue, accessible edges and corners shall be free from burr. Rough surfaces, sharp edges and corners, which can cause injury, are not allowed. In case of doubt to determine whether rough surface, sharp edges or corners can cause an injury a test according to EN 71-1:2009, 8.11 is mandatory.	PASS
	All accessible parts of the barbecue components made of metal sheet or tubes of thickness less than 0,7 mm (- 0,02 mm) coating excluded shall be as shown in Figures 1, 2, 3 and 4.  	PASS



Clause	Test Items	Result
	<p>The construction of the barbecue shall be such that when placed horizontally the change of the fuel compartment position, according to the instruction for use and the insertion and removal of barbecue accessories with the cooking grid and/or rotisserie spit loaded as described in 5.5, shall be possible without the barbecue tipping over or components becoming detached or moved in such a way that they are no longer capable of fulfilling their functions. These requirements also apply when testing the barbecue as described in 5.2.</p> <p>After testing in accordance with Clause 5, a barbecue fails if it does not meet the following requirements:</p> <p>a) any deformation of a component that compromises the use and safety of the barbecue;</p> <p>b) any component showing cracks and/or fractures; NOTE A permanent barbecue may show cracks and/or fractures which do not influence the safety.</p> <p>c) any component falls off;</p> <p>d) the temperature and safety requirements mentioned in the test descriptions are not met.</p>	<p>PASS</p> <p>The temperature rise of floor:8.3K</p>
<b>4.2</b>	<b>Requirements for parts:</b>	
<b>4.2.1</b>	<b>Cooking grid</b>	
	The clear distance between the bars of the cooking grid shall not exceed 20mm before, during and after tested according to 5.2 and 5.6. This requirement relates to the usable area of the grid, which shall be at least 80% of the horizontal area of the fuel compartment vertically projected.	PASS
	If the cooking grid has the function of a grate, the clear distance between the bars of the grate and also, in the case of vertical fuel compartment, of those between the grate and the edges of the fuel container shall not exceed 20mm before, during and after tested according to 5.2 and 5.6.	NA
	The cooking grid shall rest on its supporting points in the most unfavorable position when loaded as specified in 5.5. When the load has been removed the deformation of each grid shall not exceed 5% relative to the length of the bar when tested according to 5.6.	PASS
	Manually adjustable cooking grids up to 400 mm diameter or longest side measurement shall be fitted with one handle minimum, cooking grids over 400 mm diameter or the longest side measurement shall be fitted with two handles. If the cooking grid position can be adjustable, this adjustment shall be possible without the operator's hand coming into direct contact with the cooking grid.	NA
	Removable or movable handles shall be attached to the cooking grid in such a way that tipping to the side or forwards when loaded as specified in 5.5 shall be impossible.	NA
	Handle is not required when the height of the cooking grid can be adjusted through a mechanical device.	NA



Clause	Test Items	Result										
	The barbecue shall be designed in such a way that when the fuel compartment is uniformly loaded to 75% of its capacity, the cooking grid in its most unfavorable position shall not come into contact with the fuel.	PASS										
<b>4.2.2</b>	<b>Rotisserie spit</b>											
	<p>The end of the rotisserie spit shall have the shape of a truncated cone of minimum diameter not less than 1,5 mm and not exceeding 3 mm and a taper angle between 60° and 90°. The rotisserie spit shall have a permanent or removable handle of at least 100 mm usable length. The handle for any motor supplied with it shall be 80 mm minimum length. If the distance between the support points of the rotisserie spit exceeds 800 mm a second handle shall be provided unless the motor has the function of a handle. The handle (or handles) shall be fitted to the rotisserie spit in such a way that when tested in accordance with 5.2.2 the surface temperatures shall not exceed the values specified in Table 3.</p> <p><b>Table 3 — Surface temperatures over ambient temperature</b></p> <table border="1"> <thead> <tr> <th>Material</th> <th>Temperature</th> </tr> </thead> <tbody> <tr> <td>Metal</td> <td>35 K</td> </tr> <tr> <td>Glass/ceramics</td> <td>45 K</td> </tr> <tr> <td>Plastics</td> <td>60 K</td> </tr> <tr> <td>Wood</td> <td>70 K</td> </tr> </tbody> </table> <p>The rotisserie spit shall have a minimum of two adjustable and fixable rotisserie meat forks. When loading the rotisserie spit with 0,5 kg per 100 mm usable length it shall rest on all its supporting points. The other components of the barbecue or the fuel load following the instructions for use shall not come into contact with a cylinder 200 mm in diameter and of a length equivalent to at least 60 % of the usable rotisserie spit length placed centrally around the rotisserie spit and in the centre of the rotisserie spit. If several rotisserie spit positions are possible, this requirement shall be met for at least one position.</p>	Material	Temperature	Metal	35 K	Glass/ceramics	45 K	Plastics	60 K	Wood	70 K	NA
Material	Temperature											
Metal	35 K											
Glass/ceramics	45 K											
Plastics	60 K											
Wood	70 K											
<b>4.2.3</b>	<b>Fuel compartment</b>											
<b>4.2.3.1</b>	<b>General</b>											





Clause	Test Items	Result						
	<p>Fuel compartments made of steel sheet require a minimum thickness (coating excluded) as specified in Table 1.</p> <p>The thickness shall be measured in three different points:</p> <ul style="list-style-type: none"> <li>- one to be in the centre of the bottom;</li> <li>- two on the opposite sides at minimum 150 mm from each other;</li> </ul> <p>If one side of the fuel compartment is a grate, only two sides are measured.</p> <p>The thickness shall be considered the average of the measurements.</p> <p><b>Table 1 — Minimum thickness of steel sheet for fuel compartments</b></p> <table border="1"> <thead> <tr> <th>Grid size diameter or longest side measurement</th> <th>Thickness</th> </tr> </thead> <tbody> <tr> <td>≤ 400 mm</td> <td>0,7 mm</td> </tr> <tr> <td>&gt; 400 mm</td> <td>0,8 mm</td> </tr> </tbody> </table> <p>For fuel compartments with a grid size diameter or longest side measurement ≤ 400 mm, a thickness (coating excluded) between 0,5 mm and 0,7 mm is acceptable, provided they are glass or porcelain enamelled on both sides and withstand the tests according to:</p> <ul style="list-style-type: none"> <li>a) 5.2.2 one time and 5.2.3 two times consecutively; and</li> <li>b) 5.7.</li> </ul> <p>Fuel compartments made of cast metal require a minimum thickness coating excluded of 2,5 mm.</p> <p>Fuel compartments made of materials other than steel sheet or cast material (excluding permanent barbecues) shall withstand the tests according to:</p> <ul style="list-style-type: none"> <li>a) 5.2.2 one time and 5.2.3 two times consecutively; and</li> <li>b) 5.7.</li> </ul>	Grid size diameter or longest side measurement	Thickness	≤ 400 mm	0,7 mm	> 400 mm	0,8 mm	PASS
Grid size diameter or longest side measurement	Thickness							
≤ 400 mm	0,7 mm							
> 400 mm	0,8 mm							
4.2.3.2	<b>Openings</b>							
	<p>If the fuel compartment after assembly has openings, these shall meet the following requirements when tested as described in 5.2 and 5.3. The number of openings in the flat base of the fuel compartment shall not exceed four and shall be dimensioned so that a sphere of 3 mm in diameter will not fall through them, their area shall not exceed 50 mm<sup>2</sup></p> <p>Other openings, other than in the flat base, if circular should have a diameter not exceeding 8 mm, or, if a different shape, their area shall not exceed 50 mm<sup>2</sup>. With larger openings the barbecue shall be equipped with an ash catcher or the barbecue shall be designed so that it is impossible for any embers or fuel to fall out or roll off when tested as described in 5.2 and 5.3.</p>	NA						
4.2.3.3	<b>Depth of the fuel compartment</b>							
	<p>The minimum depth of the fuel compartment shall be as indicated in Table 2. The minimum depth shall be available over 80 % of the usable area of the fuel compartment.</p> <p><b>Table 2 — Minimum depth of the fuel compartment</b></p> <table border="1"> <thead> <tr> <th>Grid size diameter or longest side measurement</th> <th>Minimum depth of fuel compartment</th> </tr> </thead> <tbody> <tr> <td>≤ 400 mm</td> <td>50 mm</td> </tr> <tr> <td>&gt; 400 mm</td> <td>60 mm</td> </tr> </tbody> </table>	Grid size diameter or longest side measurement	Minimum depth of fuel compartment	≤ 400 mm	50 mm	> 400 mm	60 mm	PASS
Grid size diameter or longest side measurement	Minimum depth of fuel compartment							
≤ 400 mm	50 mm							
> 400 mm	60 mm							



Clause	Test Items	Result
	If the fuel compartment is a grate Table 2 shall not be taken into account but it shall have an ash catcher.	PASS
	If the fuel compartment has several possible positions, stops shall be provided to secure the container in each of these positions	NA
	For permanent barbecues part of the structure can be used as the fuel compartment when calculating the minimum depth shown in Table 2.	NA
	For the permanent barbecue the front side of the fuel compartment can be open if it's protected by a flat protection plane minimum 130 mm deep to prevent embers from falling to the ground as shown in Figure 5.	NA
	<p style="text-align: center;">Dimensions in millimetres</p> <p><b>Keys</b> A fuel compartment B flat protection plane</p> <p style="text-align: center;">Figure 5 — Top view of flat protection plane for permanent barbecue</p>	
<b>4.2.4</b>	<b>Ash compartment or catcher</b>	
	Ash compartments or catcher made of sheet metal require a minimum thickness (coating excluded) of 0,7mm. For ash compartments or catchers with a diameter or longest side measurement ≤ 400 mm, a thickness (coating excluded) between 0,5 mm and 0,7 mm is acceptable, provided they are glass or porcelain enamelled on both sides.	NA
<b>4.2.5</b>	<b>Gravy tray or drip pan</b>	
	If the barbecue has a gravy tray or drip pan with the barbecue in the horizontal position it shall either be arranged in such a way that its contents flow away from the fuel compartment or have a recess at least 5 mm deep and the horizontal distance between the grate and the beginning of the recess shall be at least 30 mm, when the base of the gravy tray or drip pan is horizontal.	NA
<b>4.2.6</b>	<b>Stand</b>	
	If the stand is foldable, the folding elements shall be capable of being locked in the operating position of the barbecue. A locking and/or unlocking device shall not operate unintentionally.	NA
	The stand shall support the barbecue when tested in any position specified in 5.4. The barbecue shall not tip over and when used in accordance with the instructions for use no components shall fall off.	PASS





Clause	Test Items	Result
	The barbecue shall be placed on a plywood plane of natural colour additionally closed with white silk paper in accordance with 3.10, and loaded and operated as described in 5.2.3. The size of the test area shall correspond to the barbecue installation area, plus a margin of 250 mm all round. During the test the paper shall not catch fire (small holes are allowed) and the plywood shall not become singed.	PASS
6	<b>Marking</b>	
	Markings shall be visible, legible, indelible and at least in the national language(s) of the country of sale. The barbecue shall be marked with the following information:	
	a) Name or trademark of the manufacturer or distributor. This shall be fitted on the barbecue by casting, stamping, enamelling or labelling;	PASS
	b) Warning notice " <b>WARNING! Do not use spirit or petrol for lighting or re-lighting!</b> " This warning notice shall still be legible and shall not have come off after testing in accordance with 5.2. The size of the lettering shall be at least 3 mm for upper case letters and 2 mm for lower case letters in contrast with the background and shall be visible during the operation of the barbecue.	PASS
	c) Model or type designation. This marking may be on the packaging only.	PASS
7	<b>Instruction</b>	
	The instructions for use shall be given at least in the national language(s) of the country of sale. They shall contain at least the following information and shall be supplied with each barbecue:	
	a) the model or type designation including exploded view and parts list;	PASS
	b) the statement that the barbecue has to be installed on a secure level base prior to use;	PASS
	c) the method of correct assembly possibly using illustrations;	PASS
	d) advice on the safe operation of the barbecue;	PASS
	e) the recommendation that the barbecue shall be heated up and the fuel kept red hot for at least 30 min prior to the first cooking;	PASS
	f) the recommended fuel(s) and the maximum amount to be used specified by the manufacturer;	PASS
	g) the correct lighting procedures including the statement "do not cook before the fuel has a coating of ash";	PASS
	h) the type of batteries to be used if a battery powered electric item (for example motor, blower, light ) is supplied or specified;	NA
	i) the type of bonding agent if required for construction of permanent barbecues;	NA
	j) the following warning notices:	
	for open and closed barbecues: " <b>WARNING! This barbecue will become very hot, do not move it during operation</b> " "Do not use indoors!" " <b>WARNING! Do not use spirit or petrol for lighting or re-lighting! Use only firefighters complying to EN 1860-3!</b> " "WARNING! Keep children and pets away"	PASS



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Clause	Test Items	Result
	<ul style="list-style-type: none"> <li>for permanent barbecues:  <b>"WARNING! This barbecue will become very hot."</b>  <b>"Do not use indoors!"</b>  <b>" WARNING! Do not use spirit or petrol for lighting or re-lighting! Use only firelighters complying to EN 1860-3!"</b>  <b>"WARNING! Keep children and pets away".</b> </li> </ul>	NA

Remark:

1. NA =Not applicable; NT=Not Tested as per client's requirements. P=Pass; F=Fail
2. The tests are carried out with charcoal and fire lighter sold in local market instead of EN 1860-2 &-3 complied items.

### Photo Appendix



Sample as received



Sample as received



Sample as received



Sample as received

The testing report/certificate only refers to the sample(s) tested.

\*\*\*End of Report\*\*\*

