TEST REPORT

COMMISSION REGULATION (EU) 2019/2019
of 1 October 2019 laying down ecodesign requirements for refrigerating appliances pursuant to Directive 2009/125/EC of the European Parliament and of the Council

COMMISSION DELEGATED REGULATION (EU) 2019/2016
of 11 March 2019 supplementing Regulation (EU) 2017/1369 of the European Parliament and of the Council with regard to energy labelling of refrigerating appliances

Report Reference No. ……..……:	AOC250905004ER
Compiled by (print+ signature) …….:	Bruce Lin
Approved by (print+ signature) ……..…:	Robin Liu
Date of issue……...:	2025-09-12

Lab Supervisor

Testing Laboratory.....:	Shenzhen AOCE Electronic Technology Service Co., Ltd
Address……:	Room 202, 2nd Floor, No.12th Building of Xinhe Tongfuyu Industrial Park, Fuhai Street, Baoan District, Shenzhen, Guangdong, China
Testing location/address……...:	Same as above
Applicant's name.....:	Hommy Enterprise (XinHui) Co.,Ltd.
Address……:	No.36-1 Industry Road, Huicheng Town, XinHui Area, jiangmen city, GuangDong, China.
Manufacturer name……:	Hommy Enterprise (XinHui) Co.,Ltd.
Address……:	No.36-1 Industry Road, Huicheng Town, XinHui Area, jiangmen city, GuangDong, China.
Factory name……...:	Hommy Enterprise (XinHui) Co.,Ltd.
Address……:	No.36-1 Industry Road, Huicheng Town, XinHui Area, jiangmen city, GuangDong, China.
Test Object……:	freezer
Trade Mark……:	N/A
Model / Type reference……:	SD98-1, SD30, SD68, SD98, SD118, SD238, SD380 (Only the model names are different)
Rating(s)……..……:	220-240V~, 50/60Hz, 1.05A
Test specification:	
Standard.....:	COMMISSION REGULATION (EU) 2019/2019; COMMISSION DELEGATED REGULATION (EU) 2019/2016
Test procedure.....:	Test report
Non-standard test method.....:	N/A
Test Report Form No......:	IECEE TRF No. (EU) No 2019/2016
Test Report Form(s) Originator .....:	AOCE
Master TRF .....:	2019-11-30

List of Attachments (including a total number of pages in each attachment):

None

Summary of testing:

The sample(s) tested complies with the requirements of COMMISSION REGULATION (EU) 2019/2019 and COMMISSION DELEGATED REGULATION (EU) 2019/2016.

When determining the test conclusion. The Measurement Uncertainty of test has be enconsidered.

Tests performed (name of test and test clause):	**Testing location:**
COMMISSION REGULATION (EU) 2019/2019 and COMMISSION DELEGATED REGULATION (EU) 2019/2016	Shenzhen AOCE Electronic Technology Service Co., Ltd Room 202, 2nd Floor, No.12th Building of Xinhe Tongfuyu Industrial Park, Fuhai Street, Baoan District, Shenzhen, Guangdong, China

Copy of marking plate

The artwork below may be only a draft. The use of certification marks on a product must be authorized by the respective NCBs that own these marks.

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Note: This energy label is only a sample for reference, the QR code will be added when the product placing on market.

Photos

Photo 1

Photo 2

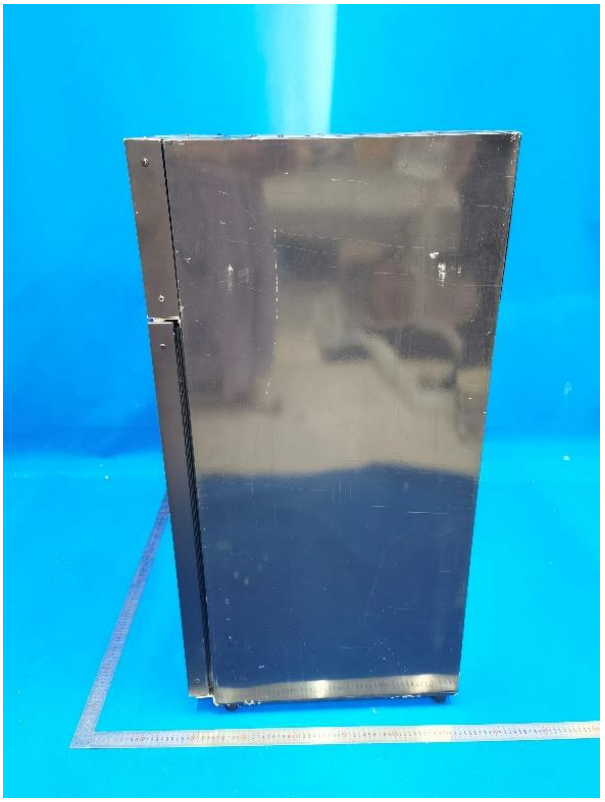

Photo 3

Photo 4

Photo 5

Photo 6

Product Details

	SD98-1
Item	N/A
Model number of unit under	Prototype
tested Serial number	Other wine storage
Condition of sample(s)	appliances N, ST
Product designation	Chiller
Climate Class	
Minimum ambient temperature [°C] for which the refrigerating appliance is	14
Maximum ambient temperature [°C] for which the refrigerating appliance is	R290 19
Refrigerant	semiconductor - type
Charge of refrigerant	Fan forced
[g] Refrigerating type	Bottom
Condenser type	stationary
Condenser location	No
Design type	No
Low - noise appliance?	No
Wine storage	
appliance?	
Other refrigerating appliance? Number of external doors or compartments, whichever is	
1 lowest	
Winter setting?	No
Fast freezer facility?	No
Anti - condensation heater	None
type Dedicated appliances ? Refrigerating appliances with only frozen compartments?	Yes No
Combi appliances with 3 - or 4 - star	No
Other combi appliances?	No
Cooling system	Fan forced
Defrosting type	Cyclic
Defrosting controller	defrost N/A
Overall dimensions (H*W*D) [mm]	–
Overall space required in use (H*W*D) [mm] The number of standard bottles that can	-

Test Summary

1. Noise test was conducted at location Shenzhen AOCE Electronic Technology Service Co., Ltd (Room 202, 2nd Floor, No.12th Building of Xinhe Tongfuyu Industrial Park, Fuhai Street, Baoan District, Shenzhen, Guangdong, China).
2. The units were tested with built‐in enclosure according with manufacturing's instruction.

Clause	Ecodesign requirements	Result - Remark	Verdict
1	Energy efficiency requirements:		- -
(a)	From 1 March 2021, the energy efficiency index (EEI) of refrigerating appliances shall not be		Pass
(b)	From 1 March 2024, the EEI of refrigerating appliances shall not be above		Pass
2	Functional requirements:		- -
	From 1 March 2021, refrigerating appliances shall meet the following requirements:		- -
(a)	Any fast freeze facility, or any similar function achieved through modification of the temperature settings in freezer compartments, shall, once activated by the end - user according to the manufacturer's, the importer's or authorised representative's instructions, automatically revert to the previous normal storage conditions after no more than 72 hours.		N/A
(b)	Winter settings shall be automatically activated or de - activated according to the need to maintain the frozen compartment(s) at the correct temperature.		N/A
(c)	Until 1 March 2024, the requirements laid down in points 2(a) and (b) shall not apply to combi appliances with one electromechanical thermostat and one compressor which are not equipped		Pass
(d)	appropriate identification symbol. For the frozen compartments this shall be the number of stars of the compartment. For the chill and unfrozen compartments, this shall be an indication, chosen by the manufacturer, the importer or authorised representative, of the type of food that should be stored in the compartment. If the refrigerating appliance contains vacuum		N/A
(e)	insulation panels, the refrigerating appliance shall be labelled with the letters 'VIP' in a clearly visible and readable way. For 2-star sub-compartments or 2 - star sections:		- -
	— a 2 - star sub - copartment or 2-star section		N/A
	is separated from the 3 - star or 4 - star volume by a partition, container, or similar construction;		

Clause	Ecodesign requirements	Result - Remark	Verdict
	— the volume of the 2 - star sub - compartment or 2 - star section does not exceed 20 % of the total		N/A
(f)	For 4 - star compartments, the specific freezing capacity shall be such that the freezing time to bring the temperature of the light load (3,5 kg/100 l) from +25 to - 18 °C at an ambient temperature of 25 °C, is smaller than or equal to 18,5 h.		N/A
3	Resource efficiency requirements:		- -
	From 1 March 2021, refrigerating appliances shall meet the following requirements:		- -
(a)	Availability of spare parts:		- -
(1)	manufacturers, importers or authorised representatives of refrigerating appliances shall make available to professional repairers at least the following spare parts: thermostats, temperature sensors, printed circuit boards and light sources, for a minimum period of seven years after placing the last unit of the model on the market;		N/A
(2)	manufacturers, importers or authorised representatives of refrigerating appliances shall make available to professional repairers and end - users at least the following spare parts: door handles, door hinges, trays and baskets for a minimum period of seven years and door gaskets for a minimum period of 10 year, after placing the last unit of the model on the market;		N/A
(3)	manufacturers shall ensure that these spare parts can be replaced with the use of commonly available tools and without permanent damage to the appliance;		N/A
(4)	the list of spare parts concerned by point (1) and the procedure for ordering them shall be publicly available on the free access website of the manufacturer, importer or authorised representative, at the latest two years after the placing on the market of the first unit of a model and until the end of the period of availability of these spare parts;		N/A

Clause	Ecodesign requirements	Result - Remark	Verdict
(5)	the list of spare parts concerned by point (2) and the procedure for ordering them and the repair instructions shall be publicly available on the manufacturer's, the importer's or authorised representative's free access website, at the moment of the placing on the market of the first unit of a model and until the end of the period of availability of these spare parts.		N/A
(b)	Access to repair and maintenance information:		- -
	After a period of two years after the placing on the market of the first unit of a model or of an equivalent model, and until the end of the period mentioned under (a), the manufacturer, importer or authorised representative shall provide access to the appliance repair and maintenance information to professional repairers in the following conditions:		- -
(1)	the manufacturer's, importer's or authorised representative's website shall indicate the process for professional repairers to register for access to information; to accept such a request, manufacturers, importers or authorised representative may require the professional repairer to demonstrate that:		- -
(i)	the professional repairer has the technical competence to repair refrigerating appliances and complies with the applicable regulations for repairers of electrical equipment in the Member States where it operates. Reference to an official registration system as professional repairer, where such system exists in the Member States concerned, shall be accepted as proof of compliance with this point;		N/A
(ii)	the professional repairer is covered by insurance covering liabilities resulting from its activity, regardless of whether this is required by the Member State;		N/A
(2)	the manufacturers, importers or authorised representatives shall accept or refuse the registration within 5 working days from the date of request by the professional repairer;		N/A
(3)	manufacturers, importers or authorised representatives may charge reasonable and proportionate fees for access to the repair and maintenance information or for receiving regular updates. A fee is reasonable if it does not discourage access by failing to take into account the extent to which the professional repairer uses the information;		N/A

Clause	Ecodesign requirements	Result - Remark	Verdict
	Once registered, a professional repairer shall have access, within one working day after requesting it, to the requested repair and maintenance information. The available repair and maintenance information shall include:		- -
	— the unequivocal appliance identification;		N/A
	— a disassembly map or exploded view;		N/A
	— list of necessary repair and test equipment;		N/A
	— component and diagnosis information (such as minimum and maximum theoretical values for measurements);		N/A
	— wiring and connection diagrams;		N/A
	— diagnostic fault and error codes (including manufacturer - specific codes, where applicable); and		N/A
	— data records of reported failure incidents stored on the refrigerating appliance (where appliance).		N/A
(c)	Maximum delivery time of spare parts:		- -
(1)	during the period mentioned under point 3(a)(1) and point 3(a)(2), the manufacturer, importer or authorised representatives shall ensure the delivery of the spare parts for refrigerating appliances within 15 working days after having received the order;		N/A
(2)	in the case of spare parts available only to professional repairers this availability may be limited to professional repairers registered in accordance with point b.		N/A
(d)	Requirements for dismantling for material recovery and recycling while avoiding pollution:		- -
(1)	manufacturers, importers or authorised representatives shall ensure that refrigerating appliances are designed in such a way that the materials and components referred to in Annex VII to Directive 2012/19/EU can be removed with the use of commonly available tools.		N/A
(2)	manufacturers, importers and authorized representatives shall fulfil the obligations laid down in Point 1 of Article 15 of Directive 2012/19/EU.		N/A
4	Information requirements:		- -
	From 1 March 2021, instruction manuals for installers and end-users, and free access website of manufacturers, importers or authorised representatives shall include the following information:		- -

Clause	Ecodesign requirements	Result - Remark	Verdict
(a)	the combination of drawers, baskets and shelves that result in the most efficient use of energy for the refrigerating appliance;		Pass
(b)	clear guidance about where and how to store foodstuffs in a refrigerating appliance for best preservation over the longest period, to avoid food waste;		Pass
(c)	the recommended setting of temperatures in each compartment for optimum food preservation. These settings shall not contradict the storage conditions set out in Annex III, Table 3		Pass
(d)	an estimation of the impact of temperature settings on food waste;		Pass
(e)	a description of the effects of special modes and features, and in particular how temperatures are affected in each compartment and for how long;		N/A
(f)	for wine storage appliances: 'this appliance is intended to be used exclusively for the storage of wine'. This shall not apply to refrigerating appliances that are not specifically designed for wine storage but may be used for this purpose, or to refrigerating appliances that have a wine storage compartment combined with any other compartment type;		Pass
(g)	instructions for the correct installation and end-user maintenance, including cleaning, of the refrigerating appliance;		Pass
(h)	for a freestanding appliance: 'this refrigerating appliance is not intended to be used as a built-in appliance';		N/A
(i)	for appliances without a 4-star compartment: 'this refrigerating appliance is not suitable for freezing foodstuffs';		N/A
(j)	access to professional repair, such as internet webpages, addresses, contact details;		N/A
(k)	relevant information for ordering spare parts, directly or through other channels provided by the manufacturer, importer or authorised representative;		N/A
(l)	the minimum period during which spare parts, necessary for the repair of the appliance, are available;		N/A

Clause	Ecodesign requirements	Result - Remark	Verdict
(m)	the minimum duration of the guarantee of the refrigerating appliance offered by the manufacturer, importer or authorised representative;		N/A
(n)	for refrigerating appliances with climate class:		- -
	extended temperate: 'this refrigerating appliance is intended to be used at ambient temperatures ranging from 10 °C to 32 °C';		N/A
	temperate: 'this refrigerating appliance is intended to be used at ambient temperatures ranging from 16 °C to 32 °C';		Pass
	subtropical: 'this refrigerating appliance is intended to be used at ambient temperatures ranging from 16 °C to 38 °C';		Pass
	tropical: 'this refrigerating appliance is intended to be used at ambient temperatures ranging from 16 °C to 43 °C';		N/A
(o)	instruction on how to find the model information in the product database, as defined in Regulation (EU) 2019/2016 by means of a weblink that links to the model information as stored in the product database or a link to the product database and information on how to find the model identifier on the product.		N/A

Item	Data
Function selected for each multi - use type	N/A
compartment Position of each user - adjustable baffle	N/A
Setting of each user - adjustable temperature control	See test table(s)
Setting of each other switch or user - adjustable	N/A
control Test voltage [V]	230
Test frequency [Hz]	50
Test room ambient settings (as applicable) [°C]	See test table(s)
Test room ambient relative humidity settings (as applicable) [%]	60
Appliance complies with storage temperature requirements?	Pass

Item	Symbol	Unit	16°C Storage Temperature Test		
			Value	Limit	Verdict
Thermostat setting	-	-	12	-	-
Wine	$t_{w1\ max}$	°C	14.2	-	-
	$t_{w1\ min}$	°C	14.6	-	-
	amplitude	°C	0.4	≤ 0.5K	Pass
	t_{w1m}	°C	14.4	$5 \le T_{w1m} \le 20$	Pass
	$t_{w2\ max}$	°C	10.5	-	-
	$t_{w2\ min}$	°C	10.2	-	-
	amplitude	°C	0.3	≤ 0.5K	Pass
	t_{w2m}	°C	10.4	$5 \le T_{w2m} \le 20$	Pass
	$t_{w3\ max}$	°C	9.4	-	-
	$t_{w3\ min}$	°C	9.7	-	-
	amplitude	°C	0.3	≤ 0.5K	Pass
	t_{w3m}	°C	9.6	$5 \le T_{w3m} \le 20$	Pass
	t_{wma}	°C	11.5	≤12	Pass
	t_{wma-df}	°C	N/A	-	-

Item	Symbol	Unit	25°C Storage Temperature Test		
			Value	Limit	Verdict
Thermostat setting	-	-	11	-	-
Wine	$t_{w1\ max}$	°C	15.0	-	-
	t_{w1min}	°C	14.7	-	-
	amplitude	°C	0.3	≤ 0.5K	Pass
	t_{w1m}	°C	14.9	$5 \le T_{w1m} \le 20$	Pass
	$t_{w2\ max}$	°C	10.8	-	-
	$t_{w2\ min}$	°C	10.5	-	-
	amplitude	°C	0.3	≤ 0.5K	Pass
	t_{w2m}	°C	10.7	$5 \le T_{w2m} \le 20$	Pass
	$t_{w3\ max}$	°C	8.8	-	-
	$t_{w3\ min}$	°C	8.6	-	-
	amplitude	°C	0.2	≤ 0.5K	Pass
	t_{w3m}	°C	8.7	$5 \le T_{w3m} \le 20$	Pass
	t_{wma}	°C	11.4	≤12	Pass
	t_{wma-df}	°C	N/A	-	-

Item	Symbol	Unit	38°C Storage Temperature Test		
			Value	Limit	Verdict
Thermostat setting	-	-	11	-	-
Wine	$t_{w1\ max}$	°C	15.6	-	-
	$t_{w1\ min}$	°C	15.3	-	-
	amplitude	°C	0.3	≤ 0.5K	Pass
	t_{w1m}	°C	15.5	$5 \le T_{w1m} \le 20$	Pass
	$t_{w2\ max}$	°C	11.3	-	-
	$t_{w2\ min}$	°C	11.2	-	-
	amplitude	°C	0.1	≤ 0.5K	Pass
	t_{w2m}	°C	11.3	$5 \le T_{w2m} \le 20$	Pass
	$t_{w3\ max}$	°C	8.3	-	-
	$t_{w3\ min}$	°C	8.1	-	-
	amplitude	°C	0.2	≤ 0.5K	Pass
	t_{w3m}	°C	8.2	$5 \le T_{w3m} \le 20$	Pass
	t_{wma}	°C	11.6	≤12	Pass
	t_{wma-df}	°C	N/A	-	-

Item	Unit	Value
Thermostat setting	-	11
Test voltage	V	230
Test frequency	Hz	50
Test room ambient settings (as applicable)	°C	25
Test room ambient relative humidity settings (as applicable)	%	59
Tested internal relative humidity	%	57.6
Volume Measurement		
Item	Unit	Value
The volume of the wine storage compartment	L	320.0
Total volume	L	320.0

Test Condition

Item	Value
Barometric pressure [kPa]	101.1
Ambient temperature [°C]	23
Humidity [%[	60.0
Test voltage /frenquency [V/Hz]	230/50
Average temperature in wine storage compartment [°C]	12.0
Measurement method	Comparison method
Basic ISO standards	ISO 3741:2010
used Test room	Special reverberation test
Room inner dimensions [m^3]	room 250

Test Method

Description
The comparison method is used to measure the sound power level, as described in ISO 3741:2010. With this method, the sound power level is determined by comparing the averaged values (on a mean-square basis) of the sound pressure levels produced by the source in the test room to the averaged values of the sound pressure levels produced in the same room by a calibrated reference sound source (RSS) of known sound power output, complying with the requirements of ISO 6926. The difference in sound pressure levels is equal to the difference in sound power levels when conditions are the same for both sets of measurements; This method yields results expressed in octave-band sound power levels, and the A-weighted sound power level is calculated from the octave-band sound power levels; Before measurements the refrigerator was stabilized for more than 16 hours outside the reverberation room. Then a stabilization period in the reverberation room was awaited before the actual measurements. The reference sound power source was measured before and after the measurements of the refrigerator; The A-weighted time averaged sound pressure level is measured from 1 min after the start of a running period to the end of this running period; For each running period, time-averaged sound pressure levels from the noise source under test for each one-third-octave band in the frequency range of interest, L'pi(ST) , are measured at each of 6 microphone positions; three consecutive measurements are carried out. The final result will be the logarithmic mean of these three measurements.

Sample 1 - First period measurement						
Frequencies [Hz]	Lp (B) avg [dB]	Lp (ST) avg [dB]	LpA (ST) avg [dB]	Lp (RSS) avg [dB]	LW [dB]	LWA [dB]
100	3.83	13.57	-5.99	55.47	37.16	18.01
125	1.28	17.21	-0.05	58.50	36.76	20.58
160	4.99	21.53	8.29	62.10	37.89	24.64
200	5.24	20.30	9.45	64.25	34.71	23.86
250	-0.11	20.12	11.45	66.43	32.05	23.38
315	6.27	20.71	14.07	67.77	31.20	24.56
400	12.17	25.50	20.73	70.34	33.52	28.74
500	8.03	29.59	26.35	72.44	35.91	32.66
630	7.80	25.49	23.58	73.90	30.64	28.74
800	10.73	25.45	24.66	76.34	29.67	28.87
1000	14.99	24.18	24.18	78.18	27.66	27.66
1250	14.31	22.27	22.84	80.70	24.83	25.40
1600	13.33	24.17	25.16	81.27	26.65	27.64
2000	10.18	23.89	25.09	81.38	26.37	27.57
2500	8.88	18.18	19.45	79.38	20.85	22.12
3150	10.36	21.48	22.68	78.12	24.82	26.02
4000	9.74	21.38	22.34	77.16	25.58	26.54
5000	9.72	14.94	15.49	75.07	20.42	20.98
6300	9.80	12.46	12.35	72.57	19.45	19.33
8000	9.02	10.96	9.81	69.15	19.67	18.52
10000	8.20	9.72	7.23	65.24	20.24	17.75
					Total:	39.7

Sample 1 - Second period measurement						
Frequencies [Hz]	Lp (B) avg [dB]	Lp (ST) avg [dB]	LpA (ST) avg [dB]	Lp (RSS) avg [dB]	LW [dB]	LWA [dB]
100	3.80	13.43	-5.71	55.44	37.02	17.88
125	1.25	16.68	0.49	58.47	36.23	20.05
160	4.96	21.08	7.83	62.07	37.43	24.19
200	5.21	19.95	9.10	64.22	34.36	23.51
250	0.94	20.56	11.89	66.40	32.49	23.81
315	6.24	20.77	14.12	67.74	31.25	24.61
400	12.14	25.45	20.67	70.31	33.47	28.69
500	8.00	29.56	26.31	72.41	35.87	32.62
630	7.77	25.84	23.93	73.87	31.00	29.09
800	10.70	25.73	24.94	76.31	29.94	29.15
1000	14.96	24.42	24.42	78.15	27.90	27.90
1250	14.28	22.05	22.62	80.67	24.61	25.18
1600	13.30	24.09	25.08	81.24	26.57	27.56
2000	10.15	24.23	25.43	81.35	26.71	27.91
2500	8.85	17.79	19.06	79.35	20.46	21.73
3150	10.33	21.10	22.30	78.09	24.44	25.64
4000	9.71	21.15	22.11	77.13	25.35	26.31
5000	9.69	14.83	15.39	75.04	20.32	20.87
6300	9.77	12.40	12.28	72.54	19.38	19.27
8000	8.99	11.05	9.90	69.12	19.76	18.61
10000	8.17	9.73	7.24	65.21	20.25	17.76
					Total:	39.5

Sample 1 - Third period measurement						
Frequencies [Hz]	Lp (B) avg [dB]	Lp (ST) avg [dB]	LpA (ST) avg [dB]	Lp (RSS) avg [dB]	LW [dB]	LWA [dB]
100	1.59	11.31	-1.71	53.23	34.89	15.75
125	-0.96	14.90	-1.29	56.26	34.45	18.26
160	2.75	20.36	7.11	59.86	36.71	23.47
200	3.00	17.99	7.15	62.01	32.40	21.56
250	-1.27	17.65	8.98	64.19	29.58	20.91
315	4.03	18.39	11.75	65.53	28.88	22.24
400	9.93	23.42	18.65	68.10	31.44	26.67
500	5.79	28.57	25.32	70.20	34.88	31.64
630	5.56	23.37	21.46	71.66	28.53	26.62
800	8.49	23.28	22.49	74.10	27.49	26.70
1000	12.75	21.66	21.66	75.94	25.14	25.14
1250	12.07	20.16	20.73	78.46	22.72	23.29
1600	11.09	20.99	21.98	79.03	23.47	24.46
2000	7.94	21.29	22.50	79.14	23.77	24.97
2500	6.64	15.49	16.76	77.14	18.16	19.43
3150	8.12	18.04	19.24	75.88	21.38	22.58
4000	7.50	17.63	18.59	74.92	21.82	22.79
5000	7.48	12.21	12.77	72.83	17.69	18.25
6300	7.56	10.06	9.94	70.33	17.04	16.92
8000	6.78	8.77	7.63	66.91	17.48	16.34
10000	5.96	7.66	5.17	63.00	18.18	15.69
					Total:	39.8

Sample 2 - First period measurement						
Frequencies [Hz]	Lp (B) avg [dB]	Lp (ST) avg [dB]	LpA (ST) avg [dB]	Lp (RSS) avg [dB]	LW [dB]	LWA [dB]
100	6.62	14.25	-4.90	52.13	41.05	21.91
125	3.99	10.50	-5.68	54.96	33.48	17.29
160	3.90	20.96	7.72	58.55	40.75	27.50
200	3.80	21.04	10.19	62.26	37.32	26.47
250	1.77	20.74	12.07	65.36	33.62	24.94
315	1.42	20.94	14.29	67.79	31.28	24.64
400	0.65	27.81	23.03	69.09	36.96	32.18
500	1.41	31.32	28.07	70.95	39.01	35.76
630	2.17	27.95	26.04	73.02	33.86	31.95
800	3.00	24.27	23.48	75.68	29.03	28.24
1000	4.02	24.02	24.02	77.81	27.75	27.75
1250	4.97	25.52	26.10	80.06	28.60	29.18
1600	5.90	24.29	25.28	80.57	27.35	28.35
2000	6.69	18.97	20.17	80.66	22.05	23.25
2500	7.39	16.02	17.29	78.73	19.23	20.50
3150	8.06	17.98	19.18	77.34	21.98	23.18
4000	8.46	13.02	13.98	76.60	17.66	18.62
5000	8.58	12.43	12.98	74.55	18.31	18.87
6300	8.54	13.22	13.10	72.23	20.43	20.31
8000	8.18	10.93	9.79	68.91	19.76	18.61
10000	7.65	9.68	7.19	65.04	20.27	17.78
					Total:	39.7

Sample 2 - Second period measurement						
Frequencies [Hz]	Lp (B) avg [dB]	Lp (ST) avg [dB]	LpA (ST) avg [dB]	Lp (RSS) avg [dB]	LW [dB]	LWA [dB]
100	6.70	14.42	-4.73	52.21	41.22	22.08
125	4.07	10.24	-5.95	55.04	33.22	17.03
160	3.98	20.65	7.40	58.63	40.43	27.19
200	3.88	21.25	10.40	62.34	37.53	26.68
250	1.85	20.98	12.30	65.44	33.85	25.18
315	1.50	20.68	14.04	67.87	31.03	24.39
400	0.73	27.33	22.56	69.17	36.48	31.71
500	1.49	32.24	29.00	71.03	39.93	36.69
630	2.25	28.64	26.73	73.10	34.55	32.65
800	3.08	23.16	22.37	75.76	27.92	27.13
1000	4.10	23.28	23.28	77.89	27.01	27.01
1250	5.05	24.68	25.26	80.14	27.76	28.34
1600	5.98	24.22	25.21	80.65	27.28	28.28
2000	6.77	19.09	20.29	80.74	22.17	23.37
2500	7.47	16.23	17.50	78.81	19.43	20.70
3150	8.14	18.31	19.51	77.42	22.30	23.50
4000	8.54	12.85	13.81	76.68	17.48	18.45
5000	8.66	12.77	13.32	74.63	18.65	19.21
6300	8.62	12.88	12.76	72.31	20.09	19.97
8000	8.26	11.02	9.87	68.99	19.84	18.69
10000	7.73	9.72	7.23	65.12	20.31	17.82
					Total:	40.5

Sample 2 - Third period measurement						
Frequencies [Hz]	Lp (B) avg [dB]	Lp (ST) avg [dB]	LpA (ST) avg [dB]	Lp (RSS) avg [dB]	LW [dB]	LWA [dB]
100	6.49	14.21	-4.94	52.00	41.01	21.87
125	3.86	10.03	-6.16	54.83	33.01	16.82
160	3.77	20.44	7.19	58.42	40.22	26.98
200	3.67	21.04	10.19	62.13	37.32	26.47
250	1.64	20.77	12.09	65.23	33.64	24.97
315	1.29	20.47	13.83	67.66	30.82	24.18
400	0.52	27.12	22.35	68.96	36.27	31.50
500	1.28	32.03	28.79	70.82	39.72	36.48
630	2.04	28.43	26.52	72.89	34.34	32.44
800	2.87	22.95	22.16	75.55	27.71	26.92
1000	3.89	23.07	23.07	77.68	26.80	26.80
1250	4.84	24.47	25.05	79.93	27.55	28.13
1600	5.77	24.01	25.00	80.44	27.07	28.07
2000	6.56	18.88	20.08	80.53	21.96	23.16
2500	7.26	16.02	17.29	78.60	19.22	20.49
3150	7.93	18.10	19.30	77.21	22.09	23.29
4000	8.33	12.64	13.60	76.47	17.27	18.24
5000	8.45	12.56	13.11	74.42	18.44	19.00
6300	8.41	12.67	12.55	72.10	19.88	19.76
8000	8.05	10.81	9.66	68.78	19.63	18.48
10000	7.52	9.51	7.02	64.91	20.10	17.61
					Total:	40.2

Sample 3 - First period measurement						
Frequencies [Hz]	Lp (B) avg [dB]	Lp (ST) avg [dB]	LpA (ST) avg [dB]	Lp (RSS) avg [dB]	LW [dB]	LWA [dB]
100	3.53	50.99	-5.15	55.17	37.57	18.43
125	0.98	18.79	2.60	58.20	38.35	22.16
160	4.69	21.17	7.93	61.80	37.53	24.28
200	4.94	20.43	9.58	63.95	34.84	23.99
250	0.67	22.78	14.10	66.13	34.71	26.03
315	5.97	21.39	14.75	67.47	31.88	25.23
400	11.87	23.10	18.32	70.04	31.12	26.34
500	7.73	26.88	23.63	72.14	33.19	29.94
630	7.50	24.63	22.72	73.60	29.79	27.88
800	10.43	26.38	25.58	76.04	30.59	29.80
1000	14.69	23.93	23.93	77.88	27.40	27.40
1250	14.01	25.18	25.75	80.40	27.74	28.31
1600	13.03	24.61	25.61	80.97	27.09	28.09
2000	9.88	26.23	27.43	81.08	28.70	29.91
2500	8.58	20.35	21.62	79.08	23.03	24.30
3150	10.06	20.74	21.95	77.82	24.09	25.29
4000	9.44	20.38	21.34	76.86	24.58	25.54
5000	9.42	13.21	13.76	74.77	18.69	19.24
6300	9.50	11.65	11.53	72.27	18.63	18.51
8000	8.72	10.69	9.54	68.85	19.40	18.25
10000	7.90	9.41	6.92	64.94	19.93	17.44
					Total:	39.7

Sample 3 - Second period measurement						
Frequencies [Hz]	Lp (B) avg [dB]	Lp (ST) avg [dB]	LpA (ST) avg [dB]	Lp (RSS) avg [dB]	LW [dB]	LWA [dB]
100	3.47	13.95	-5.19	55.11	37.53	18.39
125	0.92	18.41	2.22	58.14	37.96	21.78
160	4.63	21.06	7.82	61.74	37.42	24.17
200	4.88	20.25	9.40	63.89	34.66	23.81
250	0.61	22.68	14.00	66.07	34.61	25.93
315	5.91	21.47	14.83	67.41	31.96	25.32
400	11.81	22.91	18.14	69.98	30.93	26.15
500	7.67	26.64	23.39	72.08	32.95	29.70
630	7.44	24.62	22.71	73.54	29.78	27.87
800	10.37	26.63	25.83	75.98	30.84	30.04
1000	14.63	23.65	23.65	77.82	27.12	27.12
1250	13.95	24.97	25.55	80.34	27.53	28.11
1600	12.97	24.97	25.96	80.91	27.45	28.45
2000	9.82	26.19	27.40	81.02	28.67	29.87
2500	8.52	20.17	21.44	79.02	22.84	24.12
3150	10.00	21.39	22.59	77.76	24.73	25.93
4000	9.38	21.05	22.02	76.80	25.25	26.21
5000	9.36	13.79	14.35	74.71	19.27	19.83
6300	9.44	12.05	11.93	72.21	19.03	18.91
8000	8.66	10.69	9.55	68.79	19.40	18.26
10000	7.84	9.40	6.91	64.88	19.92	17.43
					Total:	39.1

Sample 3 - Third period measurement						
Frequencies [Hz]	Lp (B) avg [dB]	Lp (ST) avg [dB]	LpA (ST) avg [dB]	Lp (RSS) avg [dB]	LW [dB]	LWA [dB]
100	3.25	13.53	-5.61	54.89	37.12	17.98
125	0.70	18.07	1.88	57.92	37.62	21.43
160	4.41	20.70	7.45	61.52	37.05	23.81
200	4.66	20.06	9.22	63.67	34.47	23.63
250	0.39	22.43	13.76	65.85	34.36	25.69
315	5.69	21.14	14.50	67.19	31.63	24.98
400	11.59	22.57	17.80	69.76	30.59	25.81
500	7.45	26.45	23.21	71.86	32.76	29.52
630	7.22	24.37	22.46	73.32	29.53	27.62
800	10.15	26.32	25.52	75.76	30.53	29.74
1000	14.41	23.71	23.71	77.60	27.18	27.18
1250	13.73	24.92	25.49	80.12	27.48	28.06
1600	12.75	24.79	25.79	80.69	27.27	28.27
2000	9.60	25.96	27.17	80.80	28.44	29.64
2500	8.30	20.04	21.31	78.80	22.71	23.98
3150	9.78	21.22	22.42	77.54	24.56	25.76
4000	9.16	20.81	21.78	76.58	25.01	25.97
5000	9.14	13.88	14.43	74.49	19.36	19.91
6300	9.22	11.99	11.87	71.99	18.97	18.85
8000	8.44	10.77	9.62	68.57	19.48	18.33
10000	7.62	9.28	6.78	64.66	19.80	17.30
					Total:	38.9

Determination of declaration	
Item	Value
Sample 1, A - weighted sound power level L_{WA}, dB(A)	39.7
Sample 2, A - weighted sound power level L_{WA}, dB(A)	40.1
Sample 3, A - weighted sound power level L_{WA}, dB(A)	39.2
N, size of the sample	3
μ, arithmetic mean of samples	39.7
σ_P (production)	0.9
σ_R (reproducibility)	0.6
σ_t, total standard deviation	1.0
σ_M (reference)	2.0
Pa, probability of acceptance(choosed by labeler), %	95.5
U_{Pa}	1.615
L_{WA}, Declaration of A - weighted sound power level,	43

Items		Data	
Coldest function selected for each multi - use type compartment?		N/A	
Disconnections, bridging or modifications of any devices on the appliance?		N/A	
Interpolation method used		Linear	
Where interpolation has been used for one or two controls, identify which controls		Wine storage compartment	
Indicate compartment(s) used for		Wine storage compartment	
interpolation Test voltage [V]		230	
Test frequency [Hz]		50	
Test room ambient settings (as applicable) [°C]		See test table(s)	
Test room ambient relative humidity settings (as applicable) [%]		60	
Setting of switches or controls, DF case and/or SS case	Ambient 16°C Point 1:	11	SS1
	Ambient 16°C Point 2:	12	SS1
	Ambient 32°C Point 1:	11	SS1
	Ambient 32°C Point 2:	12	SS1

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