


<b>Prüfbericht-Nr.:</b> <i>Test report No.:</i>	60430346 005	<b>Auftrags-Nr.:</b> <i>Order No.:</i>	244507784	Seite 1 von 18 <i>Page 1 of 18</i>
<b>Kunden-Referenz-Nr.:</b> <i>Client Reference No.:</i>	2085624	<b>Auftragsdatum:</b> <i>Order date:</i>	2023-04-13	
<b>Auftraggeber</b> <i>Client:</i>	Wuxi Little Swan Electric Co., Ltd. No.18,Changjiang South Road, Wuxi, Jiangsu, P.R. China			
<b>Prüfgegenstand</b> <i>Test item:</i>	Drum washing machine			
<b>Bezeichnung / Typ-Nr.:</b> <i>Identification / Type No.:</i>	MFE60-U1012/C31E-EU(ND),MFE60-U1010/C31-EU(NE) <b>MFE60-U10*-EU(ND) (*=02/C31,02/C32,02/C33,02/C34,02/C35,04/C31,04/C32,04/C33,04/C34,04/C35,06/C31,06/C32,06/C33,06/C34,06/C35,08/C31E,08/C32E,08/C33E,08/C34E,08/C35E,10/C31,10/C32,10/C33,10/C34,10/C35,12/C31E,12/C32E,12/C33E,12/C34E,12/C35E)</b>			
<b>Auftrags-Inhalt:</b> <i>Order content:</i>	ERP			
<b>Prüfgrundlage:</b> <i>Test specification:</i>	COMMISSION REGULATION (EU) 2019/2023 with amendment (EU) 2021/341 COMMISSION DELEGATED REGULATION (EU) 2019/2014 with amendment (EU) 2021/340 EN 60456:2016/A11:2020			
<b>Wareneingangsdatum:</b> <i>Date of receipt:</i>	N/A			
<b>Prüfmuster-Nr.:</b> <i>Test sample No.:</i>	N/A			
<b>Prüfzeitraum:</b> <i>Testing period:</i>	N/A			
<b>Ort der Prüfung:</b> <i>Place of testing:</i>	N/A			
<b>Prüflaboratorium</b> <i>Testing laboratory:</i>	TÜV Rheinland (Shanghai) Co., Ltd.			
<b>Prüfergebnis*:</b> <i>Test result*:</i>	Pass			
<b>geprüft/ tested by:</b>	<b>kontrolliert/ reviewed by:</b>			
2023.04.19 <i>Date</i>	Lucy Qi/PE <i>Name/Position</i>	<i>Lucy Qi</i> <i>Signature</i>	2023.04.19 <i>Date</i>	Nick C.X. Chen/ Reviewer <i>Name/Position</i>
<i>Date</i>	<i>Name/Position</i>	<i>Signature</i>	<i>Date</i>	<i>Name/Position</i>
<i>Signature</i>	<i>Signature</i>		<i>Signature</i>	
<b>Sonstiges / Other:</b>				
<b>Zustand des Prüfgegenstandes bei Anlieferung:</b> <i>Condition of the test item at delivery:</i>		Prüfmuster vollständig und unbeschädigt <i>Test item complete and undamaged</i>		
*Legende: 1 = sehr gut      2 = gut      3 = befriedigend      4 = ausreichend      5 = mangelhaft P(ass) = entspricht o.g. Prüfgrundlage(n)    F(ail) = entspricht nicht o.g. Prüfgrundlage(n)    N/A = nicht anwendbar    N/T = nicht getestet Legend: 1 = very good      2 = good      3 = satisfactory      4 = sufficient      5 = poor P(ass) = passed a.m. test specification(s)    F(ail) = failed a.m. test specification(s)    N/A = not applicable    N/T = not tested				
<b>Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens.</b> <i>This test report relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. \04</i> <i>This test report does not entitle to carry any test mark</i>				

Report No.: 60430346 005

**General product information:**

**For 60430346 005:**

This report is based on 60430346 001-004, added model MFE60-U10\*-EU(ND), which is same as original model MFE60-U1010/C31-EU(NE), except model name and appearance. Which don't affect performance data.

**supplementary information:**

**MFE60-U10\*-EU(ND) (\*=02/C31,02/C32,02/C33,02/C34,02/C35,04/C31,04/C32,04/C33,04/C34,04/C35,06/C31,06/C32,06/C33,06/C34,06/C35,08/C31E,08/C32E,08/C33E,08/C34E,08/C35E,10/C31,10/C32,10/C33,10/C34,10/C35,12/C31E,12/C32E,12/C33E,12/C34E,12/C35E)**

**History reports:**

**For 60430346 004:**

This report is based on 60430346 001-003, added model MFE60-U1010/C31-EU(ND) , which is same as original model MFE60-U1010/C31-EU(NE), except model name.

**For 60430346 003:**

This report is based on 60430346 001-002. Modified model name MFE60-U1012/C31E-EU(NE) to MFE60-U1012/C31E-EU(ND) due to typo.

**For 60430346 002:**


This report is based on 60430346 001. Added directive amendment (EU) 2021/341 and amendment (EU) 2021/340.

**For 60430346 001**

ERP test was conducted on model MFE60-U1012/C31E-EU(NE), model MFE60-U1010/C31-EU(NE) is same as MFE60-U1012/C31E-EU(NE) except different appearance.

<b>E-label-data</b>			
Accdoring to COMMISSION DELEGATED REGULATION (EU) 2019/2014 with amendment (EU) 2021/340			
Identification:	MFE60-U1012/C31E-EU(ND), MFE60-U1010/C31-EU(NE), <b>MFE60-U10*-EU(ND) (*=02/C31,02/C32,02/C33,02/C34,02/C35,04/C31,04/C32,04/C33,04/C34,04/C35,06/C31,06/C32,06/C33,06/C34,06/C35,08/C31E,08/C32E,08/C33E,08/C34E,08/C35E,10/C31,10/C32,10/C33,10/C34, 10/C35,12/C31E,12/C32E,12/C33E,12/C34E,12/C35E)</b>		
Programme:	Eco 40-60		
Characteristic	measured values	Declaration	Result
Energy efficiency class:	76,5	80,0 D, $69 < EEI \leq 80$	Pass
Energy consumption in kWh/100 cycles	62	65	Pass
Water consumption in l/cycles	38	43	Pass
Program duration in h:min	3:09	3:18	Pass
Capacity (kg)	6,0	6,0	Pass
Spinning efficiency class	C	C	Pass
Spinning efficiency (%)	60,8	62,9 C, $54 \leq D < 63$	Pass
Airborne acoustical noise emissions	79	80, C, $77 \leq n < 81$	Pass

**Date for test washing machine**

Test item description .....	Drum washing machine		
Brand .....			
Model .....	MFE60-U1012/C31E-EU(ND), MFE60-U1010/C31-EU(NE), <b>MFE60-U10*-EU(ND)</b> <b>(*=02/C31,02/C32,02/C33,02/C34,02/C35,</b> <b>04/C31,04/C32,04/C33,04/C34,04/C35,06/C31,06/C32,06/C3</b> <b>3,06/C34,06/C35,08/C31E,08/C32E,08/C33E,08/C34E,08/C3</b> <b>5E,10/C31,10/C32,10/C33,10/C34, 10/C35,12/C31E,</b> <b>12/C32E,12/C33E,12/C34E,12/C35E)</b>		
Country of Manufacture (if indicated) .....	China		
Product number code .....	--		
Serial number .....	--		
Source of machine .....	Engineering sample		
Internal heater .....	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Appliance dimension declared .....	Depth: --	Width: --	Height: --
Appliance dimension measured .....	Depth: --	Width: --	Height: --
Rated capacity .....	Cotton: 6,0 kg		
Drum volume declared .....	--		
Drum volume measured (if required) :	--		
Washer axis.....	<input checked="" type="checkbox"/> Horizontal	<input type="checkbox"/> Vertical	
Washer loading .....	<input checked="" type="checkbox"/> Front loading	<input type="checkbox"/> Top loading	
Water connections.....	<input checked="" type="checkbox"/> Cold	<input type="checkbox"/> Hot	<input type="checkbox"/> Cold & Hot
Rated voltage .....	220-240V~		
Rated frequency .....	50Hz		
Test voltage.....	230V		
Test frequency.....	50Hz		
Additional information:			

**Summary of testing:**

1. The appliance was tested according to COMMISSION REGULATION (EU) 2019/2023 with amendment (EU) 2021/341, COMMISSION DELEGATED REGULATION (EU) 2019/2014 with amendment (EU) 2021/340, EN 60456:2016/A11:2020. Sound power level was tested according to EN 60704-1:2010+A11:2012, EN 60704-2-4:2012+A11:2020. Rinsing effectiveness was tested according to CLC/TS 50677, temperature inside the load was tested according to CLC/TS 50707:2020.

2. The tests were performed at voltage 230V, 50Hz, and installed according to the user manual.

Main Component:

Part	Manufacture	Type	Technical data
Main motor	Foshan Welling Motor Manufacturing Co., Ltd	HXG-144-30-24L	40V, 70W, 178V, 420W
Heater	Thermowatt (Wuxi) Electric Co., Ltd	RGS1-WM	230V 1800W

**General remarks:**

This report shall not be reproduced except in full without the written approval of the testing laboratory.

The test results presented in this report relate only to the item(s) tested.

“(See remark #)” refers to a remark appended to the report.

“(See Annex #)” refers to an annex appended to the report.

“(See appended table #)” refers to an appended table appended to the report.

Throughout this report a comma is used as the decimal separator.

<b>Test condition</b>			
<b>Test machine</b>			
- Test voltage (V) :	230V ± 1 %		
- Test frequency (Hz) :	50Hz ± 1 %		
- Water hardness (mmol/l) :	2,5 ± 0,2		
- Hot water inlet temperature (°C):	N/A		
- Cold water inlet temperature (°C):	15 ± 2		
- Water pressure (kPa):	240kPa ± 50		
- Ambient temperature for testing machine (°C):	23 ± 2		
- Test programme:	Eco 40-60		
- 'End of programme' indication:	Sound and display		
- Water hardness preparation:	IEC 60734 Type B		
<b>Base load (for full and half load)</b>		<b>Standard load (cotton)</b>	
- Type	Sheets	Pillowcases	Towels
- Supplier	WFK	WFK	WFK
- Number of pieces (full load)	2	8	23
- Number of pieces (half load, part A)	1	4	12
- Number of pieces (half load, part B)	1	4	11
- Method of condition of base load item	<input checked="" type="checkbox"/> An ambient controlled room/chamber - Ambient temperature: 20°C ± 2°C - Ambient humidity (%) : 65% ± 5 <input type="checkbox"/> Bone dry method		
<b>Base load (for quarter load)</b>		<b>Standard load (cotton)</b>	
- Type	Sheets	Pillowcases	Towels
- Supplier	WFK	WFK	WFK
- Number of pieces	0	3	7
- Method of condition of base load item	<input checked="" type="checkbox"/> An ambient controlled room/chamber - Ambient temperature°C: 20°C ± 2°C - Ambient humidity (%) : 65% ± 5 <input type="checkbox"/> Bone dry method		
<b>Test strips:</b>		Swissatest 108	
- Supplier	Swissatest		
- Batch	211		
- Number for pieces (full load)	6		
- Number for pieces (Half load)	4		
- Number for pieces (quarter load)	2		
- Storage condition:	-20°C -5 °C, in refrigerator		
<b>Detergent:</b>			
- Type	base detergent	sodium perborate	TAED
- Supplier	IEC-A*	WFK	WFK
- Batch	WFK	WFK	WFK
- Date of delivery	140-635	140-644	050-500
	2020-06-17	2020-05-11	2020-02-26

<b>Summary of test result:</b>					
	Symbol (refer to 3.2)	Symbol as given in regulation	Unit	Reported precision (note 1)	Average
Rated capacity at 0,5 kg intervals	<i>c</i>	<i>c</i>	kg	0,1	6,0
Weighting factor for treatment full	<i>A</i>	<i>A</i>	-	0,001	0,457
Weighting factor for treatment half	<i>B</i>	<i>B</i>	-	0,001	0,293
Weighting factor for treatment quarter	<i>C</i>	<i>C</i>	-	0,001	0,250
Energy consumption of treatment full	<i>W<sub>full</sub></i>	<i>E<sub>W,full</sub></i>	kWh	0,001	0,820
Energy consumption of treatment half	<i>W<sub>½</sub></i>	<i>E<sub>W,½</sub></i>	kWh	0,001	0,518
Energy consumption of treatment quarter	<i>W<sub>¼</sub></i>	<i>E<sub>W,¼</sub></i>	kWh	0,001	0,373
Weighted energy consumption	<i>W</i>	<i>E<sub>W</sub></i>	kWh	0,001	0,620
Standard energy consumption	<i>SCE<sub>c</sub></i>	<i>SCE<sub>W</sub></i>	kWh	0,001	0,810
Energy Efficiency Index	<i>EEI</i>	<i>EEI<sub>W</sub></i>	-	0,1	76,5
Water consumption of treatment full	<i>V<sub>full</sub></i>	<i>W<sub>W,full</sub></i>	L	0,1	46,8
Water consumption of treatment half	<i>V<sub>½</sub></i>	<i>W<sub>W,½</sub></i>	L	0,1	32,5
Water consumption of treatment quarter	<i>V<sub>¼</sub></i>	<i>W<sub>W,¼</sub></i>	L	0,1	28,8
Weighted water consumption	<i>V</i>	<i>W<sub>W</sub></i>	L	1	38
Washing efficiency index of treatment full	<i>I<sub>W,full</sub></i>	<i>I<sub>w</sub></i>	-	0,001	1,041
Washing efficiency index of treatment half	<i>I<sub>W,½</sub></i>	<i>I<sub>w</sub></i>	-	0,001	1,036
Washing efficiency index of treatment quarter	<i>I<sub>W,¼</sub></i>	<i>I<sub>w</sub></i>	-	0,001	1,054
Rinsing effectiveness of treatment full	<i>D<sub>L,full</sub></i>	<i>I<sub>R</sub></i>	g/kg	0,1	3,5
Rinsing effectiveness of treatment half	<i>D<sub>L,½</sub></i>	<i>I<sub>R</sub></i>	g/kg	0,1	2,4
Rinsing effectiveness of treatment quarter	<i>D<sub>L,¼</sub></i>	<i>I<sub>R</sub></i>	g/kg	0,1	2,1
Programme duration of treatment full	<i>t<sub>full</sub></i>	<i>t<sub>w</sub></i>	h:mm	X:XX	3:09
Programme duration of treatment half	<i>t<sub>½</sub></i>	<i>t<sub>w</sub></i>	h:mm	X:XX	2:33
Programme duration of treatment quarter	<i>t<sub>¼</sub></i>	<i>t<sub>w</sub></i>	h:mm	X:XX	2:23
Temperature reached for minimum 5 min inside the load of treatment full	<i>ϑ<sub>full</sub></i>	<i>T</i>	°C	1	39
Temperature reached for minimum 5 min inside the load of treatment half	<i>ϑ<sub>½</sub></i>	<i>T</i>	°C	1	31
Temperature reached for minimum 5 min inside the load of treatment quarter	<i>ϑ<sub>¼</sub></i>	<i>T</i>	°C	1	28
Spin speed in the spinning phase of treatment full	<i>S<sub>full</sub></i>	<i>S</i>	min <sup>-1</sup>	1	1015
Spin speed in the spinning phase of treatment half	<i>S<sub>½</sub></i>	<i>S</i>	min <sup>-1</sup>	1	1017
Spin speed in the spinning phase of treatment quarter	<i>S<sub>¼</sub></i>	<i>S</i>	min <sup>-1</sup>	1	1021
Remaining moisture content of treatment full	<i>D<sub>full</sub></i>	<i>D<sub>full</sub></i>	%	0,01	59,39
Remaining moisture content of treatment half	<i>D<sub>½</sub></i>	<i>D<sub>½</sub></i>	%	0,01	61,17
Remaining moisture content of treatment quarter	<i>D<sub>¼</sub></i>	<i>D<sub>¼</sub></i>	%	0,01	63,72
Weighted remaining moisture content	<i>D</i>	<i>D</i>	%	0,1	60,8
Airborne acoustical noise emissions during the spinning phase		-	dB(A) re 1 pW	1	79

NOTE 1: The figures for reported precision specify the rounding and reporting of values. As an example, a reported precision of 0,001 means that the result shall be reported rounded to 3 decimal places.

Remark: The test results are only related to the submitted sample and the tests that are fixed according to the order.

<b>Requirements according to directive (EU) 2019/2023</b>				
	symbol	unit	Measured value	Requirements
<b>From 2021-03-01</b>				
Energy Efficiency Index	EEl <sub>w</sub>	-	76,5	<105
Washing Efficiency Index for full load	I <sub>w</sub> ( >3kg )	-	1,041	>1,03
Washing Efficiency Index for half load	I <sub>w</sub> ( >3kg )	-	1,036	>1,03
Washing Efficiency Index for quarter load	I <sub>w</sub> ( >3kg )	-	1,054	>1,03
Washing Efficiency Index for full load	I <sub>w</sub> ( ≤3kg)	-	-	>1,00
Washing Efficiency Index for half load	I <sub>w</sub> ( ≤3kg)	-	-	>1,00
Washing Efficiency Index for quarter load	I <sub>w</sub> ( ≤3kg)	-	-	>1,00
Rinsing Effectiveness for full load	I <sub>R</sub> ( >3kg )	g/kg	3,5	≤5,0 g/kg
Rinsing Effectiveness for half load	I <sub>R</sub> ( >3kg )	g/kg	2,4	≤5,0 g/kg
Rinsing Effectiveness for quarter load	I <sub>R</sub> ( >3kg )	g/kg	2,1	≤5,0 g/kg
Duration of the programme for full load	t <sub>w</sub>	min	189	t <sub>cap</sub> =137 + c × 10,2=198,2, maximum 240 min
Duration of the programme for half load	t <sub>w</sub>	min	153	t <sub>cap</sub> =120 + c × 6=156, maximum 180 min
Duration of the programme for quarter load	t <sub>w</sub>	min	143	t <sub>cap</sub> =120 + c × 6=156, maximum 180 min
Weight water consumption	W <sub>w</sub>	L	38	≤ 2,25 × c + 30
Power consumption in 'off mode'	P <sub>o</sub>	W	0,25	≤ 0,50W
Power consumption in 'standby mode' includes the display of information or status	P <sub>sm</sub>	W	0,83	≤ 1,00W
Power consumption in 'standby mode' in condition of networked standby (if applicable)	P <sub>sm</sub>	W	N/A	≤ 2,00W
Power consumption in 'delay start' (if applicable)	P <sub>ds</sub>	W	3,74	≤ 4,00W
<b>From 2024-03-01</b>				
Energy Efficiency Index	EEl <sub>w</sub>	-	76,5	<91

Copy of marking plate:

	DRUM WASHING MACHINE MODEL:MFE60-U1012/C31E-EU(NE)			
NORMAL LOAD	6.0kg			
RATED VOLTAGE	220-240V~			
MAX. CURRENT	10A			
RATED FREQUENCY	50Hz			
RATED POWER	2050W			
WATER PRESSURE	0.05-1MPa			
GRADE OF WATERPROOF	IPX4			

Importer:xxx




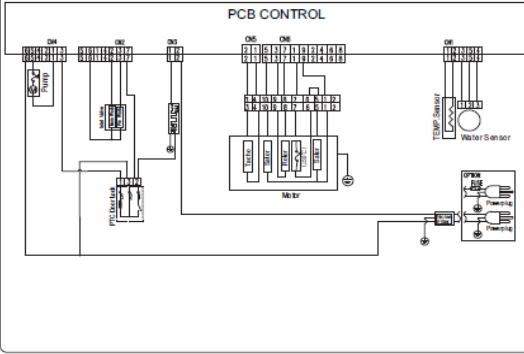
Manufacturer:  
Wuxi Little Swan Co., Ltd.  
18 Changjiang South Road, Wuxi, 214028 Jiangsu, China

Remark: The above marking plate are also apply for model MFE60-U1010/C31-EU(NE) except different model name.

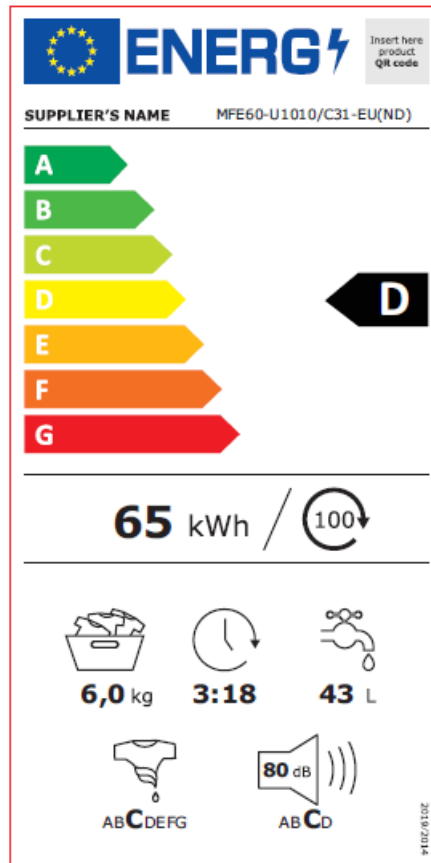
Copy of energy label:

	Insert here product QR code		Insert here product QR code
SUPPLIER'S NAME	MFE60-U1010/C31-EU(NE)	SUPPLIER'S NAME	MFE60-U1012/C31E-EU(NE)
	<b>D</b>		<b>D</b>
<b>65 kWh</b> /		<b>65 kWh</b> /	
	<b>6,0 kg</b>		<b>6,0 kg</b>
	<b>3:18</b>		<b>3:18</b>
	<b>43 L</b>		<b>43 L</b>
	<b>AB CDEFG</b>		<b>AB CDEFG</b>
	<b>80 dB</b>		<b>80 dB</b>
	<b>AB CD</b>		<b>AB CD</b>
	2019/2014		2019/2014

**Copy of marking plate:**

 <b>DRUM WASHING MACHINE</b> MODEL:MFE60-U1010/C31-EU(ND)		 	
NORMAL LOAD	6.0kg		
RATED VOLTAGE	220-240V~		
MAX. CURRENT	10A		
RATED FREQUENCY	50Hz		
RATED POWER	2050W		
WATER PRESSURE	0.05-1MPa		
GRADE OF WATERPROOF	IPX4		
Importer:xxx		Manufacturer: Wuxi Little Swan Electric Co., Ltd. 18 Changjiang South Road, Wuxi, 214028 Jiangsu, China	

**Copy of energy label:**



**ENERGY** Insert here product QR code

SUPPLIER'S NAME MFE60-U1010/C31-EU(ND)

**A**  
**B**  
**C**  
**D** ← **D**  
**E**  
**F**  
**G**

**65 kWh / 100**

**6,0 kg** **3:18** **43 L**

**80 dB**

AB CDEFG AB CD

Remark: The above marking plate are also apply for model MFE60-U10\*-EU(ND), except different model name.

Remark: \*=02/C31,02/C32,02/C33,02/C34,02/C35,04/C31,04/C32,04/C33,04/C34, 04/C35,06/C31, 06/C32,06/C33,06/C34,06/C35,08/C31E,08/C32E,08/C33E,08/C34E,08/C35E, 10/C31,10/C32, 10/C33,10/C34, 10/C35,12/C31E,12/C32E,12/C33E,12/C34E,12/C35E

Report No.: 60430346 005

Test data for test washing machine															
Laboratory	TÜV Rheinland (Shanghai) Co., Ltd. No.177, 178, Lane 777 West Guangzhong Road, Jing'an District, Shanghai China														
Checked / approved by	-														
Machine identification	MFE60-U1012/C31E-EU(ND)														
Internal test identifier	ST2020090415-01														
Reference machine test series identifier	FOM71 CLS, Electrolux														
Programme selected	eco 40-60														
Reason for extra test run (if applicable)	N/A														
'End of programme' indication (refer to 3.1.24)	Sound and display														
Global parameters	Symbol (refer to 3.2)	Symbol as given in regulation	Unit	Noted (n) Measured (m) Calculated (calc)	Reported precision (note 4)	eco 40-60 quarter	eco 40-60 half	eco 40-60 full	combined test series						
Runs	n				1	3	4	3	10						
Treatment	Symbol (refer to 3.2)	Symbol as given in regulation	Unit	Noted (n) Measured (m) Calculated (calc)	Reported precision (note 4)	half (part A)	half (part B)	half (part A)	half (part B)	full	full	full	quarter	quarter	quarter
Test run						1	2	3	4	5	7	9	6	8	10
Date of test run		-	yyyy.mm.dd	n	-	2020.10.12	2020.10.12	2020.10.13	2020.10.13	2020.10.14	2020.10.15	2020.10.16	2020.10.14	2020.10.15	2020.10.16
Mass of conditioned base load (without test strips)	$M$	-	g	m	1	2950	2930	2950	2930	5880	5880	5880	1460	1460	1460
Mass of base load before each test run (without test strips)	$M_{dry}$	-	g	m	1	2950	2930	2912	2886	5860	5833	5821	1460	1418	1401
Mass of detergent used	$M_{det}$	-	g	m	0,01	76,00	76,00	76,00	76,00	112,00	112,00	112,00	58,00	58,00	58,00
Cold water consumption during main wash	$V_{cm}$	-	l	m	0,1	11,5	11,2	10,9	11,5	16,8	16,7	17,0	9,6	9,9	11,0
Hot water consumption during main wash (if connected)	$V_{hm}$	-	l	m	0,1	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Water consumption during main wash (cold + hot if connected)	$V_m$	-	l	calc	0,1	11,5	11,2	10,9	11,5	16,8	16,7	17,0	9,6	9,9	11,0
Total cold water consumption	$V_{ct}$	-	l	m	0,1	33,2	32,0	32,0	32,9	46,5	47,2	46,8	27,0	29,2	30,3
Total hot water consumption (if connected)	$V_{ht}$	-	l	m	0,1	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Total water consumption (cold + hot if connected)	$V_{total}$	-	l	calc	1	33	32	32	33	47	47	47	27	29	30
Total electrical energy metered during the test	$W_{et}$	-	kWh	m	0,01	0,51	0,52	0,52	0,52	0,82	0,82	0,82	0,37	0,36	0,39
Total cold water energy correction determined during the test	$W_{ct}$	-	kWh	calc	0,01	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Total energy without hot water	$W_{total,cold}$	-	kWh	calc	0,01	0,51	0,52	0,52	0,52	0,82	0,82	0,82	0,37	0,36	0,39
Calculated total hot water energy determined during the test	$W_{ht}$	-	kWh	calc	0,01	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00

Total energy (programme energy)	$W_{total}$	-	kWh	calc	0,01	0,51	0,52	0,52	0,52	0,82	0,82	0,82	0,37	0,36	0,39	
Ambient temperature (test room)	$t_a$	-	°C	m	0,1	23,3	23,2	23,5	23,6	22,5	22,9	22,6	22,5	22,3	22,6	
Laboratory supply water pressure cold	$p_c$	-	kPa	m	10	242	241	243	240	241	242	243	246	243	245	
Laboratory supply water pressure hot (if connected)	$p_h$	-	kPa	m	10	--	--	--	--	--	--	--	--	--	--	
Laboratory supply water total hardness cold		-	mmol/l	m	0,01	2,54	2,48	2,51	2,56	2,50	2,51	2,51	2,52	2,45	2,49	
Laboratory supply water total hardness hot (if connected)		-	mmol/l	m	0,01	--	--	--	--	--	--	--	--	--	--	
Date of water preparation cold (if appropriate)		-	yyyy.mm.dd	n	-	2020.10.11	2020.10.11	2020.10.12	2020.10.12	2020.10.13	2020.10.14	2020.10.15	2020.10.13	2020.10.14	2020.10.15	
Date of water preparation hot (if appropriate)		-	yyyy.mm.dd	n	-	--	--	--	--	--	--	--	--	--	--	
Laboratory supply cold water inlet temperature	$t_c$	-	°C	m	0,1	15,0	15,0	15,0	15,0	15,0	15,0	15,0	15,0	15,0	15,0	
Laboratory supply hot water inlet temperature (if connected)	$t_h$	-	°C	m	0,1	--	--	--	--	--	--	--	--	--	--	
Main wash duration	$t_{MW}$	-	min	m	1	120	114	129	121	143	149	151	108	106	116	
Programme time	$t_t$	-	min	m	1	156	146	158	151	184	190	192	145	136	147	
Spin speed	$S_i$ and $S_{z,i}$	-	rpm	m	1	1020	1010	1013	1026	1022	1010	1014	1013	1027	1022	
Mass of base load after spin extraction	$M_r$	-	g	m	1	4778	4760	4672	4743	9410	9373	9334	2401	2385	2385	
Remaining moisture content	$D$	-	%	calc	0,01	61,97	62,46	58,37	61,88	60,03	59,40	58,74	64,45	63,36	63,36	
Reflectance after wash: Sebum	$x_i$	-		m	0,01	70,6	71,59	70,30	70,52	69,69	69,19	69,87	71,81	70,97	75,52	
Reflectance after wash: Carbon black/Oil	$x_i$	-		m	0,01	55,26	53,30	49,38	53,88	54,75	51,74	53,98	53,59	56,04	59,49	
Reflectance after wash: Blood	$x_i$	-		m	0,01	86,37	86,36	86,03	86,39	88,05	87,58	88,25	84,49	83,67	84,29	
Reflectance after wash: Cocoa	$x_i$	-		m	0,01	71,78	71,89	70,13	72,54	68,22	67,89	69,36	75,74	77,04	78,06	
Reflectance after wash: Red Wine	$x_i$	-		m	0,01	78,76	77,93	76,75	76,80	81,71	81,45	81,22	74,95	74,09	77,10	
Reflectance after wash: Sum	$C_k$	-		calc	0,01	362,77	361,07	352,59	360,13	362,42	357,85	362,68	360,58	361,81	374,46	
Reference machine Reflectance after wash: Sebum	$x_i$	-		m	0,01	71,44		71,26		71,25	70,28	71,09	--	--	--	
Reference machine Reflectance after wash: Carbon black/Oil	$x_i$	-		m	0,01	53,59		55,24		52,12	51,02	52,56	--	--	--	
Reference machine Reflectance after wash: Blood	$x_i$	-		m	0,01	82,20		77,44		82,03	81,52	80,30	--	--	--	
Reference machine Reflectance after wash: Cocoa	$x_i$	-		m	0,01	66,07		64,72		67,62	68,98	69,19	--	--	--	
Reference machine Reflectance after wash: Red Wine	$x_i$	-		m	0,01	75,62		72,70		76,78	74,68	74,26	--	--	--	
Reference machine Reflectance after wash: Sum	$C_{ref}$	-		calc	0,01	348,92		341,36		349,80	346,48	347,40	--	--	--	
Washing Efficiency Index	$I_w$	-		calc	0,001	1,036				1,041				1,054		
Rinsing Effectiveness	$D_L$	-	g/kg	m	0,01	2,43	2,43	2,43	2,43	3,46	3,46	3,46	2,07	2,07	2,07	
Temperature reached for minimum 5 min inside the load	$\vartheta$	-	°C	m	0,1	31,4	31,4	31,4	31,4	39,2	39,2	39,2	27,5	27,5	27,5	

Report No.: 60430346 005

**Data. parameters and results for the low power mode measurements**

Laboratory	TÜV Rheinland (Shanghai) Co.. Ltd.					
Checked / approved by	-					
Machine identification	MFE60-U1012/C31E-EU(ND)					
Internal test identifier	ST2020090415-01					
Programme and options selected	eco 40-60					
'End of programme' indication (refer to 3.1.24)	Sound and display					
	Symbol (refer to 3.2)	Symbol as given in regulation	Unit	Noted (n) Measured (m) Calculated (calc)	Reported precision (note 1)	Result
Date of test run		-	yyyy.mm.dd	n	-	2020-10-16
Appliance interaction			-	n	-	-
Power consumption in 'off mode' (if applicable)	$P_{om}$	$P_o$	W	m	0,01	0,25
Power consumption in 'standby mode' (if applicable)	$P_{sm}$	$P_{sm}$	W	m	0,01	N/A
- 'standby mode' is available. does it include the display of information or status?		-	-	n	Yes/No	Yes
Is delay start available?		-	-	n	Yes/No	Yes
- If delay start is available. is delay start possible for more than 24h?		-	-	n	Yes/No	No
- If delay start is available. power consumption in 'delay start'	$P_{ds}$	$P_{ds}$	W	m	0,01	3,74
Is network connection(s) available?		-	-	n	Yes/No	No
- If network connection(s) is available. is activation and deactivation of the network connection(s) possible?		-	-	n	Yes/No	No
- If network connection(s) is available. is network connection(s) deactivated by default?		-	-	n	Yes/No	No
Power consumption in 'standby mode' in condition of network standby (if applicable)	$P_{ns}$	$P_{sm}$	W	m	0,01	N/A
Is the machine automatically switching to 'off mode' or 'standby-mode' within 15 min?		-	-	n	Yes/No	Yes
<b>Remark: Appliance interaction to be considered for measurement is at the end of eco 40-60 program.</b>						


**Age distribution of the load**

<b>Weighted average age – cotton load (test machine. half and full load)</b>					
	Number of items in given range of age at the start of the test series				Weighted average age per type
	1-24	25-48	49-72	73-96	
Towels	5	5	6	7	46
Pillowcases	1	3	3	1	40
Sheets	0	1	1	0	27
Weighted overall average age:					38.5

<b>Weighted average age – cotton load (test machine. quarter load)</b>					
	Number of items in given range of age at the start of the test series				Weighted average age per type
	1-24	25-48	49-72	73-96	
Towels	2	2	2	2	44
Pillowcases	0	2	1	0	40
Sheets	0	0	0	0	-
Weighted overall average age:					44.1

<b>Weighted average age – cotton load (Reference machine)</b>					
	Number of items in given range of age at the start of the test series				Weighted average age per type
	1-24	25-48	49-72	73-96	
Towels	5	5	4	4	37
Pillowcases	1	2	2	1	35
Sheets	0	1	1	0	36
Weighted overall average age:					36.5

**Product information sheet:**

<b>Supplier's name or trade mark</b> (a), (c):				
<b>Supplier's address</b> (a), (c):		No.18.Changjiang South Road. Wuxi. Jiangsu. P.R. China		
<b>Model identifier</b> (a):		MFE60-U1012/C31E-EU(ND), MFE60-U1010/C31-EU(NE) <b>MFE60-U10*-EU(ND) (*=02/C31,02/C32,02/C33,02/C34,02/C35,04/C31,04/C32,04/C33,04/C34,04/C35,06/C31,06/C32,06/C33,06/C34,06/C35,08/C31E,08/C32E,08/C33E,08/C34E,08/C35E,10/C31,10/C32,10/C33,10/C34, 10/C35,12/C31E,12/C32E,12/C33E,12/C34E,12/C35E)</b>		
<b>General product parameters:</b>		See marking Plate		
Parameter	Value	Parameter	Value	
Rated capacity (b) (kg)	6,0	Dimensions in cm (a), (c)	Height	85
			Width	60
			Depth	40
Energy efficiency index (b) (EEI <sub>w</sub> )	80,0	Energy efficiency class (b)	<input type="checkbox"/> A/ <input type="checkbox"/> B/ <input type="checkbox"/> C/ <input checked="" type="checkbox"/> D/ <input type="checkbox"/> E/ <input type="checkbox"/> F/ <input type="checkbox"/> G (d)	
Washing efficiency index (b)	1,031	Rinsing effectiveness (g/kg) (b)	5,0	
Energy consumption in kWh per cycle, based on the eco 40-60 programme at a combination of full and partial loads. Actual energy consumption will depend on how the appliance is used.	0,648	Water consumption in litre per cycle, based on the eco 40-60 programme at a combination of full and partial loads. Actual water consumption will depend on how the appliance is used and on the hardness of the water.	43	
Maximum temperature inside the treated textile (b) (°C)	Rated capacity	39	Weighted remaining moisture content (b) (%)	62,9
	Half	31		
	Quarter	27		
Spin speed (b) (rpm)	Rated capacity	1000	Spin-drying efficiency class (a)	<input type="checkbox"/> A/ <input type="checkbox"/> B/ <input checked="" type="checkbox"/> C/ <input type="checkbox"/> D/ <input type="checkbox"/> E/ <input type="checkbox"/> F/ <input type="checkbox"/> G (d)
	Half	1000		
	Quarter	1000		
Programme duration (b) (h:min)	Rated capacity	3:18	Type	<input type="checkbox"/> built-in <input checked="" type="checkbox"/> free-standing
	Half	2:36		
	Quarter	2:36		
Airborne acoustical noise emissions in the spinning phase (b) (dB(A) re 1 pW)	80	Airborne acoustical noise emission class (b) (spinning phase)	<input type="checkbox"/> A/ <input type="checkbox"/> B/ <input checked="" type="checkbox"/> C/ <input type="checkbox"/> D (d)	
Off-mode (W) (if applicable)	0,50	Standby mode (W) (if applicable)	N/A	

Delay start (W) (if applicable)	4,00	Networked standby (W) (if applicable)	N/A
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**Minimum duration of the guarantee offered by the supplier** (a), (c): N/A

**This product has been designed to release silver ions during the washing cycle :** [NO]

**Additional information** (a), (c):

Weblink to the supplier's website, where the information in point 9 of Annex II to Commission Regulation (EU) 2019/2023 (1) is found:

- (a) this item shall not be considered relevant for the purposes of Article 2(6) of Regulation (EU) 2017/1369.
- (b) for the eco 40-60 programme.
- (c) changes to this item shall not be considered relevant for the purposes of paragraph 4 of Article 4 of Regulation (EU) 2017/1369.
- (d) if the product database automatically generates the definitive content of this cell, the supplier shall not enter these data.

<b>Technical parameters of the model and their declared values</b>		
<b>PARAMETER</b>	<b>UNIT</b>	<b>DECLARED VALUE</b>
Rated capacity for the eco 40-60 programme. at 0,5 kg intervals (c)	kg	6,0
Energy consumption of the eco 40-60 programme at rated capacity ( $E_w$ . full)	kWh/cycle	0,850
Energy consumption of the eco 40-60 programme at half rated capacity ( $E_w$ . $\frac{1}{2}$ )	kWh/cycle	0,544
Energy consumption of the eco 40-60 programme at quarter rated capacity ( $E_w$ . $\frac{1}{4}$ )	kWh/cycle	0,401
Weighted energy consumption of the eco 40-60 programme ( $E_w$ )	kWh/cycle	0,648
Standard energy consumption of the eco 40-60 programme ( $SCE_w$ )	kWh/cycle	0,810
Energy Efficiency Index ( $EEl_w$ )	—	80,0
Water consumption of the eco 40-60 programme at rated capacity ( $W_w$ .full)	L/cycle	52,5
Water consumption of the eco 40-60 programme at half rated capacity ( $W_w$ . $\frac{1}{2}$ )	L/cycle	38,7
Water consumption of the eco 40-60 programme at quarter rated capacity ( $W_w$ . $\frac{1}{4}$ )	L/cycle	32,6
Weighted water consumption ( $W_w$ )	—	43
Washing efficiency index of the eco 40-60 programme at rated capacity ( $I_w$ )	—	1,031
Washing efficiency index of the eco 40-60 programme at half rated capacity ( $I_w$ )	—	1,031
Washing efficiency index of the eco 40-60 programme at quarter rated capacity ( $I_w$ )	—	1,031
Rinsing effectiveness of the eco 40-60 programme at rated capacity ( $I_R$ )	g/kg	5,0
Rinsing effectiveness of the eco 40-60 programme at half rated capacity ( $I_R$ )	g/kg	5,0
Rinsing effectiveness of the eco 40-60 programme at quarter rated capacity ( $I_R$ )	g/kg	5,0
Programme duration of the eco 40-60 programme at rated capacity ( $t_w$ )	h:min	3:18
Programme duration of the eco 40-60 programme at half rated capacity ( $t_w$ )	h:min	2:36
Programme duration of the eco 40-60 programme at quarter rated capacity ( $t_w$ )	h:min	2:36
Temperature reached for minimum 5 min inside the load during eco 40-60 programme at rated capacity (T)	°C	39
Temperature reached for minimum 5 min inside the load during eco 40-60 programme at half rated capacity (T)	°C	31
Temperature reached for minimum 5 min inside the load during eco 40-60 programme at quarter rated capacity (T)	°C	27
Spin speed in the spinning phase of the eco 40-60 programme at rated capacity (S)	rpm	1000
Spin speed in the spinning phase of the eco 40-60 programme at half rated capacity (S)	rpm	1000
Spin speed in the spinning phase of the eco 40-60 programme at quarter rated capacity (S)	rpm	1000
Weighted remaining moisture content (D)	%	62,9
Airborne acoustical noise emissions during eco 40-60 programme (spinning phase)	dB(A) re 1 pW	80
Power consumption in 'off mode' ( $P_o$ )	W	0,50
Power consumption in 'standby mode' ( $P_{sm}$ )	W	N/A
Does 'standby mode' include the display of information?	—	Yes
Power consumption in 'standby mode' ( $P_{sm}$ ) in condition of networked standby (if applicable)	W	N/A
Power consumption in 'delay start' ( $P_{ds}$ ) (if applicable)	W	4,00

**Photo documents for the appliance**



--End of report--