

ONLINE INSPECTION REPORT

GENERAL INFORMATION		PRODUCT PHOTO
Project number	BrM355268 _2004	
Description of product	Oral Irrigator	
Supplier	Zhongshan Sunpower Smart Home Electrical Company Ltd	
Inspector	Terry Fu	
Review	Steven Huang	
Date of inspection	xxxxxxx	AQL Critical 0; Major 1.5; Minor 4.0

QUANTITY STATUS (details of produced qty in this lot)			
1st lot	LB1	/	/
Finished qty	39752	/	/
Before online inspected qty	11760	/	/
The qty to this inspection	27992	/	/

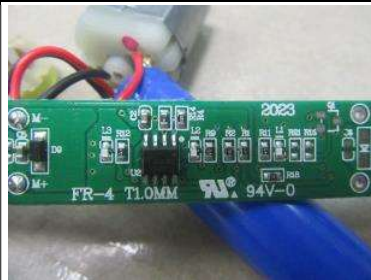
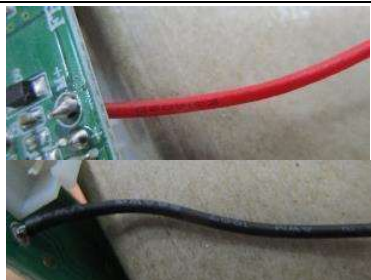
UNIT COLOUR & TEXTURE CHECK			
			
Approved sample	MP sample	Approved sample	MP sample
			
Approved sample	MP sample	Approved sample	MP sample

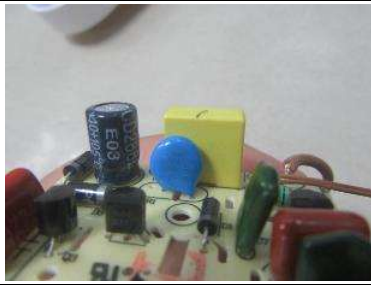
Remarks: MP sample in same colour as approved sample.

RATING PLATE		☒ PASS	☐ FAIL	☐ N/A
		Pass	Fail	n/a
a,	CE symbol (height min.5mm), GS logo (UK/CH plug no GS)	☒	☐	☐
b,	Trademark as per approved artwork	☒	☐	☐
c,	Technical parameters (Voltage, Wattage, IP...), refer to certificate/CDF	☒	☐	☐
d,	WEEE mark (with underline, height min 7mm)	☒	☐	☐
e,	Rubbing test (15s with a cloth soaked with N-hexane)	☐	☐	☒
f,	Importer name and address (or on product, if it's not possible to put on product or rating label it shall be mentioned on packaging)	☒	☐	☐
g,	Others (printing quality, label wrinkled/missing/wrong)	---	☐	☒

Rating plate photo:



COMPONENTS CHECK- CDF			☒ PASS	☐ FAIL	☐ N/A
					
Motor (water pump): SP16-280 DC3.7V	Battery: Li-ion 14500 800mAh 3.7V 2.96Wh	PCB: FR-4 94V-0			
					
Internal wire: E314089 1007 24AWG BOYU	Power cord: TIAN JU H03VVH2-F 2X0.75mm	Power plug: TIAN JU TJ-005 250V 2.5A			

		
Base PCB: KB-3151C 94V-0	X2 capacitor: QINHONG MPX 0.22uF 275V 40/110/56/B	Varistor: QNB 07D471K VDE
	NIL	NIL
Thermal link: C9 102°C 1A 250V	N/A	N/A
Remarks:		

SILKSCREEN / PRINTING TEST		☒ PASS	☐ FAIL	☐ PENDING	☐ N/A
Rubbing test(15s with a cloth soaked with different agents)		Pass	Fail	Pending	n/a
a,	Rubbing test with vegetable oil (in hot condition if applicable)	☒	☐	☐	☐
b,	Rubbing test after12h with vegetable oil	☒	☐	☐	☐
c,	Rubbing test with wash-up agent	☒	☐	☐	☐
d,	Rubbing test with 75% alcohol	☒	☐	☐	☐
e,	Rubbing test with N-hexane (for IEC symbols only)	☐	☐	☐	☒
f,	3M tape testing	☐	☐	☐	☒
g,	Fingernail scratch	☐	☐	☐	☒
Remarks:					

WEIGHTS ☒ PASS ☐ FAIL ☐ PENDING ☐ N/A					
	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5
Main unit without any attachment: 228g: +/-5% (216.6-239.4g) +/-10%(205.2-250.8g)	226.8	227.2	226.9	227.3	226.8
Max capacity (water tank + main unit) 130ml +/-5% (123.5-136.5 ml) +/-10%(117-143 ml)	130	130	131	131	130
Charging station 180g +/-5% (171-189g) +/-10%(162-198g) VDE	179.8	181.2	180.8	181.8	181.5
Charging station 225g +/-5% (213.75-236.25g) +/-10%(202.5-247.5g) BS	226.6	225.3	225.3	225.8	226.1
Irrigator jet head 3g +/-5% (2.85-3.15g)	3.1	3.1	3.1	3.1	3.1

+/-10%(2.7-3.3g)					
Remarks:					

POWER CORD LENGTH (plug and cable guard excluded)					
	☒ PASS	☐ FAIL	☐ PENDING	☐ N/A	
	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5
Power cord length 125cm +5/-0%	125	126	125	126	126
Remarks:					

TECHNICAL DATA					
	☒ PASS	☐ FAIL	☐ PENDING	☐ N/A	
	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5
Charging station standby power (<0.5 W)	0.46	0.45	0.45	0.48	0.44
Charging station charging power (<1.4W)	1.27	1.31	1.29	1.31	1.28
Sound level at 1.0M Horizontal (approx. 65 db for ref)	58.9	58.6	61.0	59.5	60.2
Sound level at 1.0M Vertical (approx. 65 db for ref)	62.4	61.8	59.9	59.5	59.6
Waterproof test 10min	P	P	P	P	P
IPX7 test (simple water immersion test due to factory could not provide 1m depth container 4H)	P	P	P	P	P
Leakage test of water tank	P	P	P	P	P
Max Operating time at Jet setting function > 30min, (no loading)	45	74	75	78	80
Charging time : ≤15 hours	P	P	P	P	P
Pull force test for the power cord inlet (60N)	P	P	P	P	P
The battery full charged voltage <4.25V	4.19	4.18	4.17	4.19	4.18
Unit static current (uA)	1.3	1.4	1.5	1.4	1.4
Main unit drop test-100cm/2 times	P	P	P	/	/
Main unit drop test-70cm/5 times	P	P	P	/	/
Remarks: 1 of 5 main unit has a relatively short discharge time, and the working current is too large due to the motor fault.					

PERFORMANCE TESTING AND RESULTS
N/A

PACKAGING CHECK (carton, giftbox, IM, polybag, polyfoam, egg tray...)					
	☒ PASS	☐ FAIL	☐ PENDING	☐ N/A	
	Pass	Fail	Pending	n/a	
a,	Carton: paper, printing quality and shipping mark check according to released sample and artwork, EAN code scannable, weight and dimension correct	☒	☐	☐	☐
b,	GB: colour, paper and printing quality check according to released sample and artwork, EAN code, transparent round sticker applied for GB sealing	☒	☐	☐	☐

c,	GB: technical data, compliance logo and symbols check	☒	☐	☐	☐
d,	Cutting protection existing (Lidl order needed, or option)	☒	☐	☐	☐
e,	IM, flyer: paper and printing quality check according to released sample and artwork	☒	☐	☐	☐
f,	IM, flyer: technical data, compliance logo and symbols check	☒	☐	☐	☐
g,	Polybag: material ID, recycle mark, warnings and suffocation hole.	☒	☐	☐	☐
h,	correct packing way followed, no damage and inside no loose	☒	☐	☐	☐
i,	Others	----	☐	☐	☒
Remarks:					

Drop testing according to DIN EN22248				☐ PASS	☐ FAIL	☐ PENDING	☒ N/A
up to 9kg,76cm	one corner three edges six faces	Tested height	full carton/sales packing weight				
up to 18kg,61cm			full GB weight:				
up to 25kg,46cm			unit per carton				
Tested quantity units	Summary OK unit: NG unit:	Mechanical		☐ Pass	☐ Fail	☐ Pending	☐ n/a
		Hi-pot		☐ Pass	☐ Fail		☐ n/a
		Function		☐ Pass	☐ Fail	☐ Pending	☐ n/a
		Packaging		☐ Pass	☐ Fail	☐ Pending	☐ n/a
Remarks:							

QUALITY STATUS (summary of found defectives)					
Random checked 50 units drawn from ☐production line ☒finished goods on pallets ☒warehouse		AQL for reference			
		L -II	Cri.	Maj.	Minor
		Acc/Re	0	2/3	5/6
No.	Mark points	Remarks / Corrective action			
1	Scratch mark -2pcs	We had requested factory to enhance check			
2	Glue mark – 1pc				
3	Mixed color -1pc				
4	Poor painting of control panel -2pc				

SERIAL NUMBER OF INSPECTED UNITS									
1447	15278	4294	10475	10940	3405	853	5081	1375	13347
18838	24640	1677	2493	14543	1653	15390	20089	15575	21414
21786	22122	1152	8991	795	1882	3926	12409	1449	29072
18724	10103	9876	9978	5157	22955	26554	18523	18805	5747
10858	21182	8654	12497	8299	987	20018	15412	7849	7941

FINDING ON PRODUCTION PROCESSES		
No.	Mark points	Remarks / Corrective action
1	N/A	

2	N/A	
3	N/A	

REMARKS/ OBSERVATION
N/A
N/A
N/A

PHOTO OF DEFECTIVES



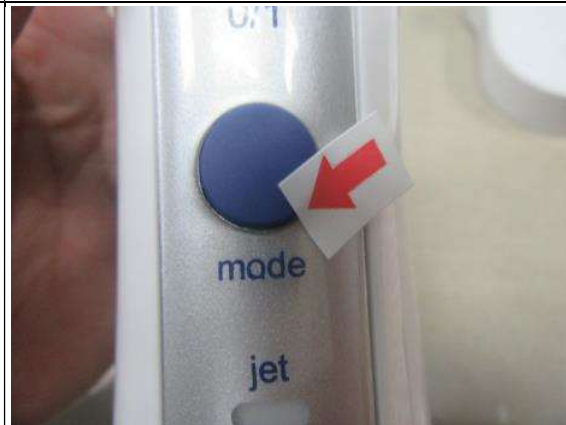
Scratch mark -2pcs



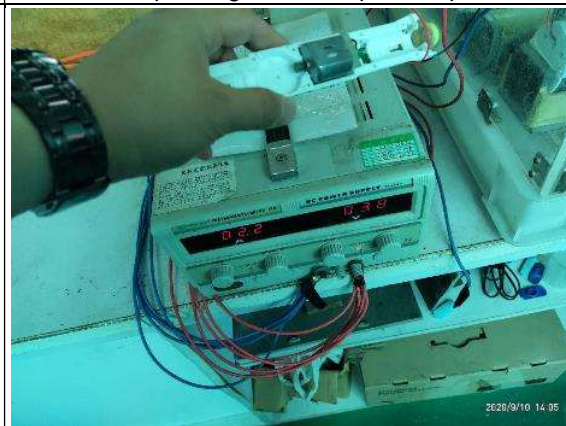
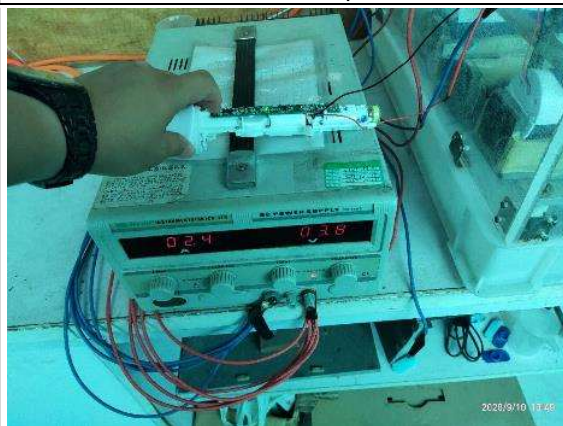
Mixed color -1pc



Glue mark -1pc



Poor painting of control panel -2pcs

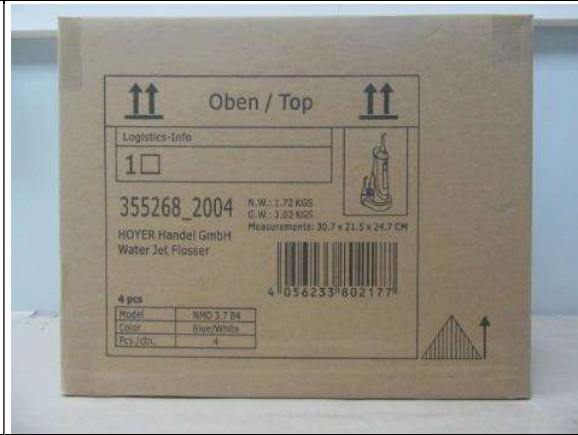


1 of 5 main unit has a relatively short discharge time, and the working current is too large due to the motor fault.

PHOTO OF WAREHOUSE, PACKAGING AND UNITS



Finished goods in warehouse



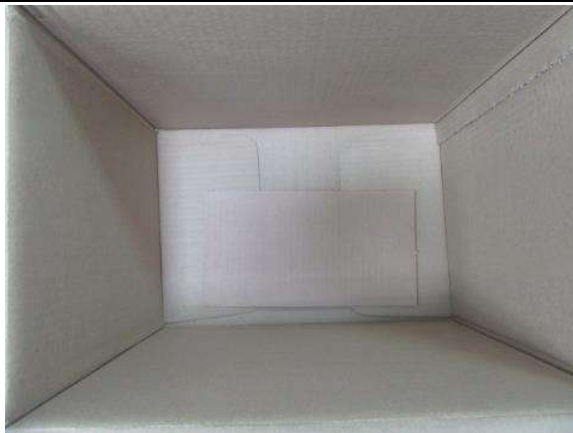
Shipping mark



Shipping mark



Open shipper carton



Open shipper carton



Gift box



Gift box



Gift box



Gift box



Gift box



Gift box



Open gift box

	
Unit accessories	PE bag
	
Unit and accessories	Unit
	
Unit	Unit



Control panel



Control panel



Unit



Unit



Unit



Unit



Unit



Marking



Irrigator jet head



Irrigator jet head



Charging station



Charging station



CE mark height: min 5mm



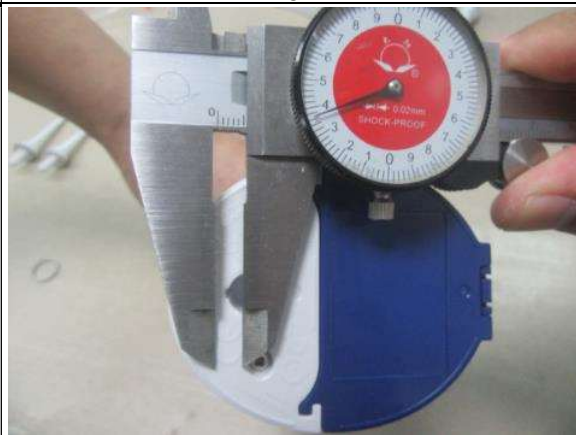
WEEE mark height: min 7mm



CE mark height: min 5mm



WEEE mark height: min 7mm



CE mark height: min 5mm



WEEE mark height: min 7mm



Rubbing test with 75% alcohol



Rubbing test with washing-up liquid



Rubbing test with vegetable oil



Charging station



Main unit without any attachment



Max capacity (water tank + main unit)



Irrigator jet head



Power cord length



Power cord length



Hi-pot test



Charger base standby power (<0.5W)



Input power



Unit drop test at 100cm



Unit drop test at 100cm



Unit drop test at 70cm



Unit drop test at 70cm



Charging station cord pull test



Leakage test of water tank



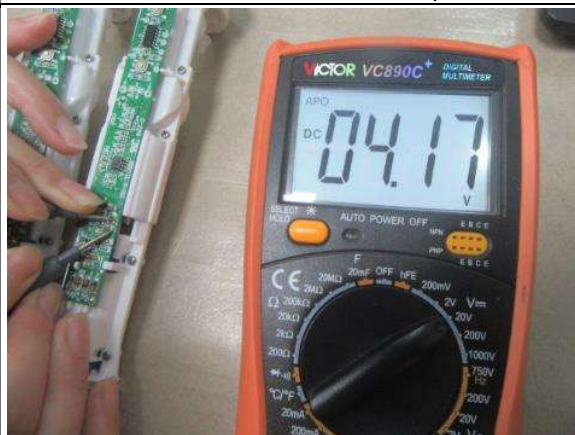
Waterproof test



Internal check after 10 mins water proof test



Charger IPX7 test (simple water immersion test)



Battery voltage with full charged check



Sound level check



Discharging test



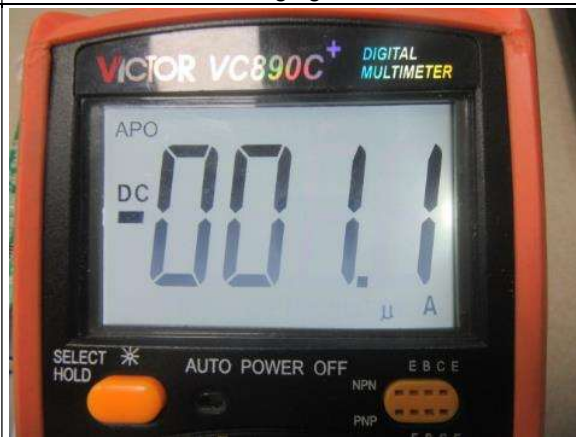
Charging test



Charging test



Unit static current



Unit static current



Function test

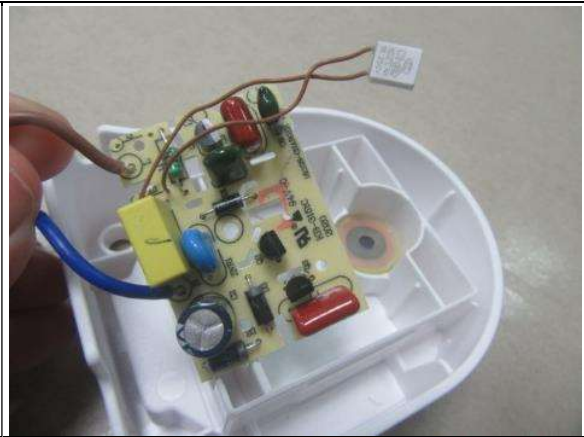


Function test

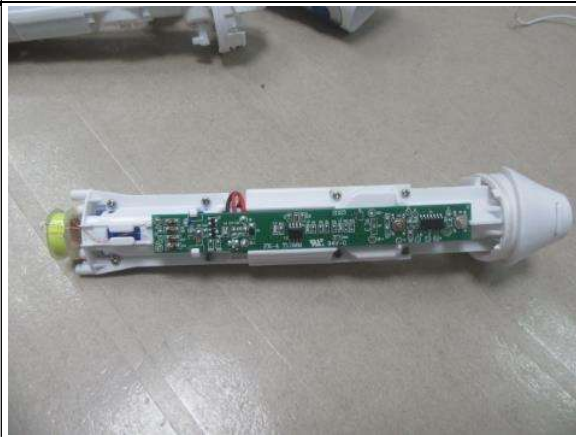
PHOTO OF INTERNAL CONSTRUCTION CHECK



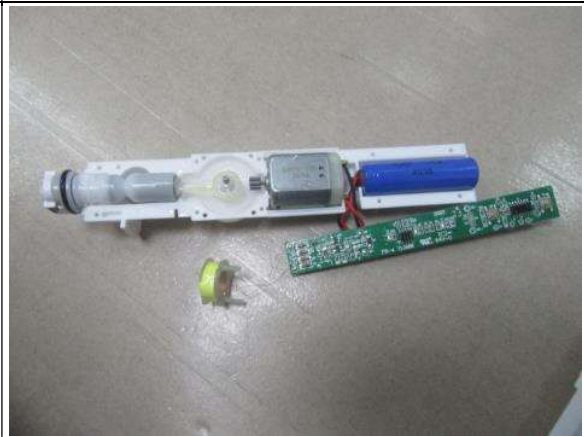
Internal check



Internal check



Internal check



Internal check

DRAFT DEFECTIVE RECORDS

TGI

DEFECTIVES IN INSPECTION 检验不良品统计

Project number / product: B/M 355268-2004 Oral Irrigator - Online check
项目号码/ 产品

No.	
1	外壳刮伤 - 2 PCS
2	面板丝印不良 - 2 PCS
3	胶印 - 1 PC
4	外壳颜色 - 1 PC
5	
6	
7	
8	

Remarks:

- ① 已包装入箱 LBI 版本 3975 2 PCS, 下抽样 50 PCS
- ② 1 叶 5 2 件电流异常 (正常 1A, 实际 2.4A), 分析为电机版本不良, 已要求工厂加强控制。

TGI Inspector

Jerry Fu

Date: Sep 10, 2020

Supplier/Manufacturer

Date

END