



TEST REPORT

Report No. : WTF24H07160353C
Applicant : Mid Ocean Brands B.V.
Address : 7/F., Kings Tower, 111 King Lam Street, Cheung Sha Wan,
Kowloon, Hong Kong
Manufacturer : 114320
Sample Name : WIFI foldable drone
Sample Model : MO9379
Labeled Age Grading : AGES 12+
Requested Age Grading : Not stated
Age Group Applied in Testing : Over 6 years
Test Requested : Refer to next page (s)
Test Conclusion : Refer to next page (s)
Date of Receipt sample : 2024-7-11
Testing period : 2024-7-11 ~ 2024-8-16
Date of Issue : 2024-8-19
Test Result : Refer to next page (s)

Prepared By:

Shenzhen Hongcai Testing Technology Co., Ltd.

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Signed for and on behalf of
Shenzhen Hongcai Testing Technology Co., Ltd.



Michael Huang

Shenzhen Hongcai Testing Technology Co., Ltd.

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Test Requested	Test Conclusion
For compliance with the European Standard on Safety of Toys:	
- EN 71-1:2014+A1:2018 - Mechanical and Physical Properties	PASS
- EN 71-2:2020 (E) - Flammability of Toys	PASS
- EN 71-3:2019+A1:2021 - Migration of certain elements	PASS
- Labeling requirement according to the Directive 2009/48/EC-Safety of toys	SEE REMARK
2.Determine the sample with reference to EN IEC 62115: 2020+A11: 2020 Electric toys - Safety.	PASS



Test Result(s):
EN71-1:2014+A1:2018- Mechanical and Physical Properties

Section	Description	Result(s)
4	General requirements	
4.1	Material cleanliness	Pass
4.2	Assembly	Pass
4.7	Edges	Pass
4.8	Points and metallic wires	Pass
4.9	Protruding parts	Pass
4.10	Parts moving against each other	
4.10.2	Driving Mechanisms	Pass
4.20	Acoustics	Pass
4.27	Flying toys	Pass
7	Warnings, markings and instructions for use	
7.1	General	Pass
7.25	Flying toys	
7.25.1	Flying toys	Pass
7.25.2	Remote controlled flying toys	Pass

Remark: Only applicable clauses were shown.

EN 71-2: 2020 (E) – Flammability of Toys

Section	Description	Result(s)
4.1	General requirements	Pass

Remark: Only applicable clauses were shown.



EN 71-3:2019+A1:2021 - Migration of certain elements

Test Method/Equipment: EN 71-3:2019+A1:2021; ICP-OES/ICP-MS/GC-MS/IC/UV-VIS/IC-ICP-MS/IC-UV

Scraped-off toy material -19 heavy elements migration

Test Item(s)	Unit	MDL	Result(s)								Limit
			1	2	3	4	5	6	7	8	
Aluminium (Al)	mg/kg	50	94	ND	28130						
Antimony (Sb)	mg/kg	10	ND	ND	ND	ND	ND	ND	ND	ND	560
Arsenic (As)	mg/kg	5	ND	ND	ND	ND	ND	ND	ND	ND	47
Barium (Ba)	mg/kg	50	ND	ND	ND	ND	ND	ND	ND	ND	18750
Boron (B)	mg/kg	50	ND	ND	ND	ND	ND	ND	ND	ND	15000
Cadmium (Cd)	mg/kg	5	ND	ND	ND	ND	ND	ND	ND	ND	17
Chromium (III) (Cr(III))	mg/kg	5	ND	ND	ND	ND	ND	ND	ND	ND	460
Chromium (VI) (Cr(VI))	mg/kg	0.025	ND	ND	ND	ND	ND	ND	ND	ND	0.053
Cobalt (Co)	mg/kg	10	ND	ND	ND	ND	ND	ND	ND	ND	130
Copper (Cu)	mg/kg	50	ND	ND	ND	ND	ND	ND	ND	ND	7700
Lead (Pb)	mg/kg	10	ND	ND	ND	ND	ND	ND	ND	ND	23
Manganese (Mn)	mg/kg	50	ND	ND	ND	ND	ND	ND	ND	ND	15000
Mercury (Hg)	mg/kg	10	ND	ND	ND	ND	ND	ND	ND	ND	94
Nickel (Ni)	mg/kg	10	ND	ND	ND	ND	ND	ND	ND	ND	930
Selenium (Se)	mg/kg	10	ND	ND	ND	ND	ND	ND	ND	ND	460
Strontium (Sr)	mg/kg	50	ND	ND	ND	ND	ND	ND	ND	ND	56000
Tin (Sn)	mg/kg	3.0	ND	ND	ND	8	ND	ND	ND	ND	180000
Organic tin*	mg/kg	—	ND	ND	ND	ND	ND	ND	ND	ND	12
Zinc (Zn)	mg/kg	50	ND	ND	ND	ND	ND	ND	ND	ND	46000



Test Item(s)	Unit	MDL	Result(s)								Limit	
			9	10	11	12	13	14	15	16		
Aluminium (Al)	mg/kg	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	28130
Antimony (Sb)	mg/kg	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	560
Arsenic (As)	mg/kg	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	47
Barium (Ba)	mg/kg	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	18750
Boron (B)	mg/kg	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	15000
Cadmium (Cd)	mg/kg	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	17
Chromium (III) (Cr(III))	mg/kg	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	460
Chromium (VI) (Cr(VI))	mg/kg	0.025	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.053
Cobalt (Co)	mg/kg	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	130
Copper (Cu)	mg/kg	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	7700
Lead (Pb)	mg/kg	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	23
Manganese (Mn)	mg/kg	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	15000
Mercury (Hg)	mg/kg	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	94
Nickel (Ni)	mg/kg	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	930
Selenium (Se)	mg/kg	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	460
Strontium (Sr)	mg/kg	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	56000
Tin (Sn)	mg/kg	3.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	180000
Organic tin*	mg/kg	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	12
Zinc (Zn)	mg/kg	50	ND	ND	ND	ND	ND	ND	ND	77	ND	46000

Note:

mg/kg (milligram per kilogram) = ppm (parts per million)

ND=Not Detected

MDL=Method Detection Limit

The test MDL and result(s) of Organic tin was(were) expressed as tributyltin.

*=Organic tin includes Dimethyltin (DMT), Dibutyltin (DBT), Tributyltin (TriBT), Diocetyltin (DOT), Monoocetyltin (MOT), Triphenyltin (TPhT), Diphenyltin (DPhT), Methyltin (MET), Tetrabutyltin (TeBT), Dipropyltin (DProT), Butyltin (BuT).

Confirmation test of soluble chromium (VI) is not required in case of soluble chromium(Cr) is less than method detection limit of soluble chromium (VI).

Confirmation test of soluble organic tin is not required in case of soluble tin is less than method detection limit.

As specified by client, only test the designated sample.



Labeling requirement (CE mark, importer / manufacturer mark (name, address), product identification) according to the Directive 2009/48/EC-Safety of toys

Summary table:

	On product	On packaging
CE mark	Present	Present
Name & Address	Absent	Absent
Product ID	Present	Present

CE mark, importer/ manufacturer mark (name, address), product identification	See Remark
Remark 2: The manufacturer's name, registered trade name or registered trade mark and the address at which the manufacturer can be contacted must be indicated on the toy or, where that is not possible, on its packaging or in a document accompanying the toy. This requirement applies also to the name and address etc. of any importer.	

EN IEC 62115: 2020+A11: 2020 – Electric toys - Safety

Clause Description	ASSESSMENT
7 Marking and instructions	PASS
9 Heating and abnormal operation	PASS
10 Electric strength	PASS
12 Mechanical strength	PASS
13 Construction	PASS
14 Protection of cords and wires	PASS
15 Components	PASS
16 Screws and connections	PASS
17 Creepage distances and clearances	PASS
18 Resistance to heat and fire	PASS
19 Radiation and similar hazards	PASS

Remark: Only applicable clauses were shown.



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Sample Description:

No.	HCT Sample ID	Test Part Description	
1	WTF24H07160353C.1	1	White coating (drone)
2		2	Black plastic fan blade (drone)
3		3	Black plastic shell (drone)
4		4	Gray white plastic socket (drone)
5		5	Black plastic bracket (drone)
6		6	Black plastic rocker (remote control)
7		7	White plastic shell (remote control)
8		8	Transparent red plastic cover (remote control)
9		9	Black soft plastic wire jacket
10		10	Black plastic big plug shell
11		11	Black plastic big plug
12		12	Gray white plastic small plug
13		13	Black plastic small plug shell
14		14	Black plastic bracket
15		15	Black foam
16		16	Transparent plastic (screwdriver, handle)

The photo of the sample


WTF24H07160353C.1

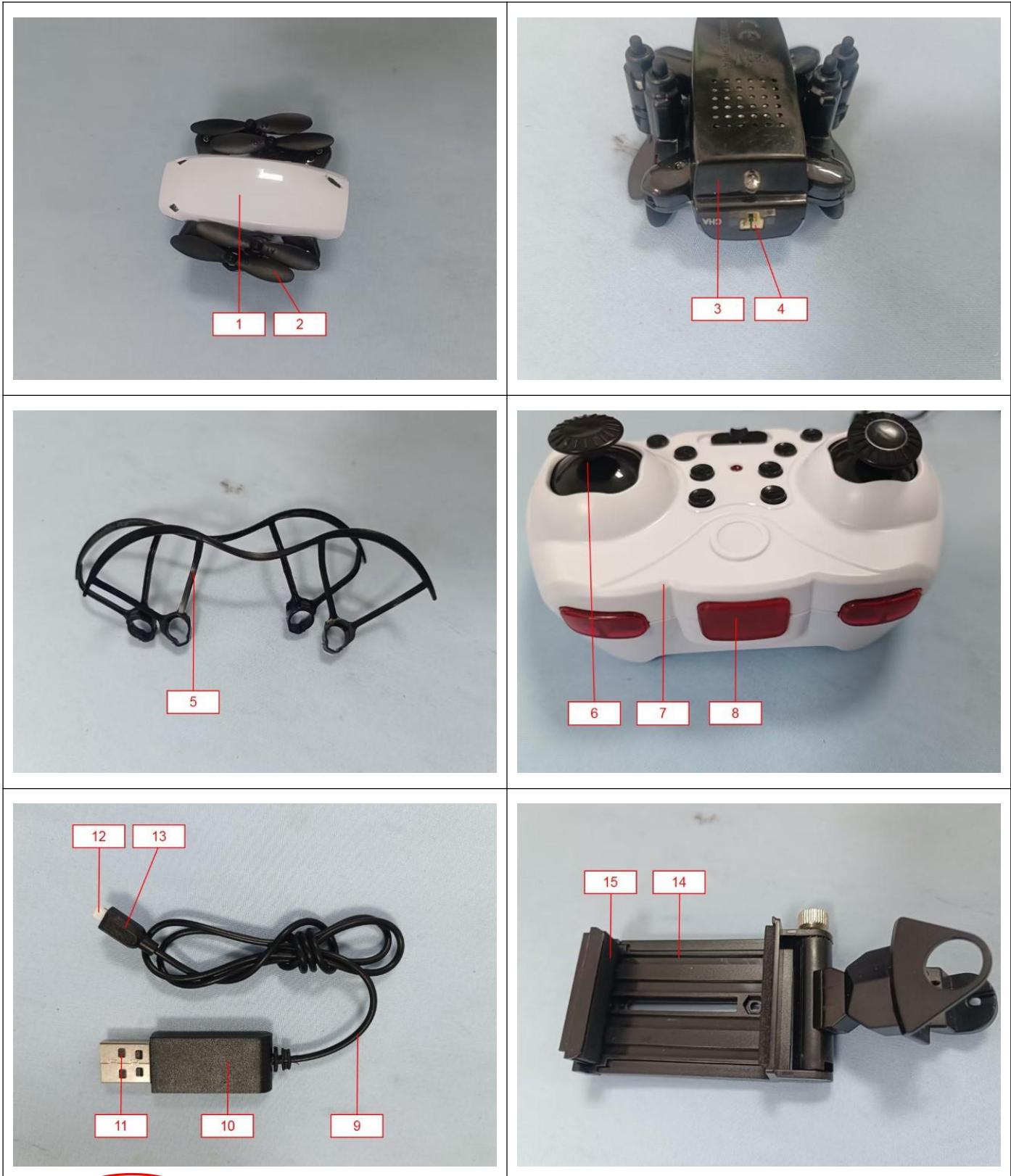


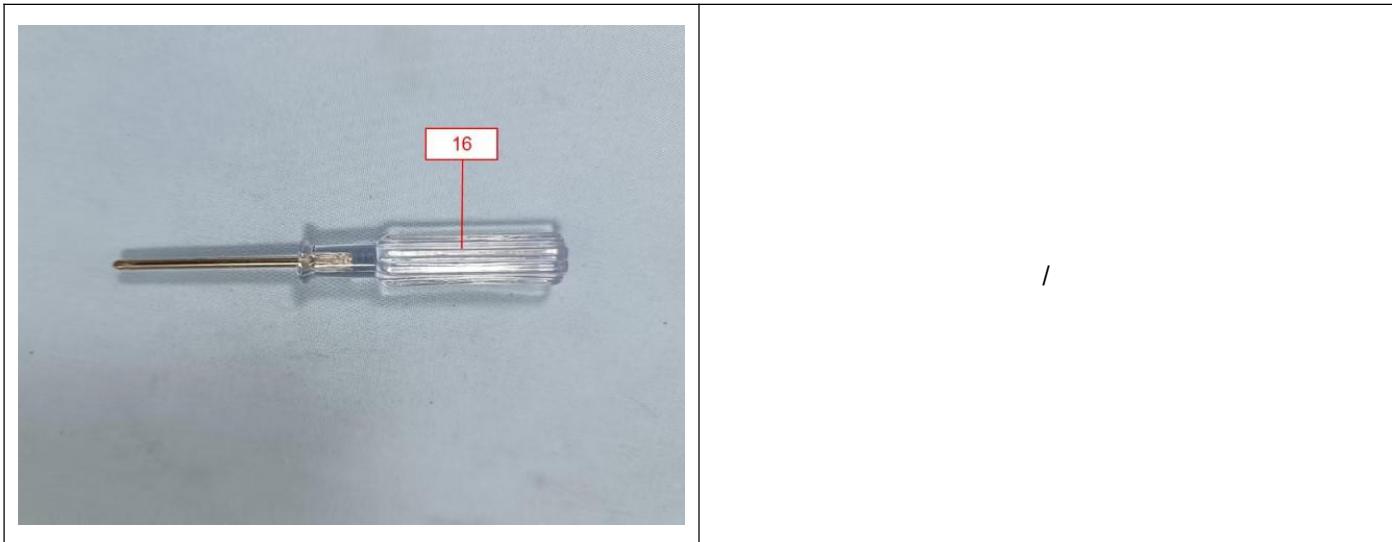
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The photo of Disassembly





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Statement:

1. This report is considered invalid without approved signature and special seal.
2. The Applicant name and Address, the sample(s) and sample information was/were provided by the applicant who should be responsible for the authenticity which HCT hasn't verified.
3. The result(s)(conclusion) shown in this report refer(s) only to the sample(s) tested.
4. Without written approval of HCT, this report can't be reproduced except in full.
5. The result(s) in no CMA logo report shall only be used for client's scientific research, teaching, internal quality control, product research and development, etc..and just for internal reference.
6. The "n" in CNAS logo report means that the test item(s) was (were) currently not applying for CNAS accreditation.
7. Decision rules used in this report:

(1)According to the Decision rules in the regulations/standards listed in the Test Requested;

(2)If there is no Decision rules specified in the regulations listed in the Test Requested, then according to CNAS-GL015 Guidelines on Decision Rules and Statements of Conformity, 6.2.1, Simple Acceptance ($w=0$) of The binary Decision rule:

PASS (Accepted) - The measured value is within the tolerance interval.

FAIL (Rejected) - The measured value is outside the tolerance interval.

===== End of Report =====