

Test Report

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Verified code:479688

Report No.:H202110086037-01EN

Customer:	Foshan Nanhai Heli Plastic Products Co.Ltd.
Address:	No. 9 Henger Road, Hegui Industrial Park, Nanhai Foshan, Guangdong
Sample name:	SINORA HARD SHELL CASE
_	
Sample model:	SIN-11751-20BK
Receive	
sample date:	Oct. 13, 2021
Test date:	Oct. 14, 2021~Oct. 15, 2021
Reference	
document:	ISO 20653:2013
- · ·	
Test result:	Meet the requirements
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Prepared by ^{AU}	Chergmon Reviewed by Zhang Huaming (Approved) Tanglin

GUANGZHOU GRG METROLOGY & TEST CO., LTD

Issued Date: 2021/10/18

GUANGZHOU GRG METROLOGY & TEST CO., LTD

Address: No.163 Xipingyun Road, Huangpu Avenue, Tianhe District, Guangzhou (510656) Tel: (+86) 400-602-0999 FAX: (+86) 020-38698685 Web: http://www.grgtest.com







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Statement

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2. The sample information is provided by the client and responsible for its authenticity; The content of the report is only valid for the samples sent this time.

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Test source	☐Commissioning te ☐PV □DV □EC		□Mandatory test			
Sample source	☑Commissioned ur	Commissioned units send sample Others:				
Sample	Model	Quantity	Sample No.	Test No.		
SINORA HARD SHELL CASE	SIN-11751-20BK	1рс	1	H202110086037-01#		
Sample components and accessories	Components: /	A	ccessories: /	Canal Cana		
Packing status	□Outer Packing ☑No packing					
Sample quality before test						
Abnormal condition of sample before test	No abnormalities					
Environment condition	Temperature:25.6℃~28.2℃Relative humidity:53%~67%					
Test address	No. 10, Dafu I Longhua District, Sł	ndustrial Zone, nenzhen	Kukeng Commu	nity, Guanlan Street,		

1 Dustproof test (IP6X)

1.1 Test condition

1.1.1 Test basis: ISO 20653:2013;

1.1.2 Before the test: Check the appearance of sample;

1.1.3 Dustproof test:

1.1.3.1 Degrees of protection against access: use a metal probe with a diameter of 1.0mm to detect the shell of the tested product with a force of $1N\pm 0.1N$;

1.1.3.2 Degrees of protection against foreign objects: fix the tested product in the test box and carry out the test according to the items in Table 1-1;

1.1.4 After test: Check the appearance of sample.

Table 1-1 Dustproof test conditions

Test dust	Dosage of dust	Test time
Arizona powder	2kg/m ³	6s blowing dust, 15min standing, this is a cycle, running 20 cycles

1.2 Sample information

Sample information is shown in Table 1-2.

Table 1-2 Sample information

Sample name	Sample model	Quantity	Test No.
SINORA HARD SHELL CASE	SIN-11751-20BK	1pc	H202110086037-01#

1.3 Test requirements

1.3.1 Judgment basis: ISO 20653:2013;

1.3.2 Appearance requirements: 1mm metal probe shall not enter the sample shell before the test, and no dust shall enter the sample interior after the test.

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1.4 Test result

The test results are shown in Table 1-3.

Table 1-3 Dustproof test result

Test No.	Appearance inspection	Conclusion
H202110086037-01#	Before the test, the 1mm metal probe did not enter the sample shell, and after the test, there was no dust inside the sample	Meet the requirements

1.5 Test photos

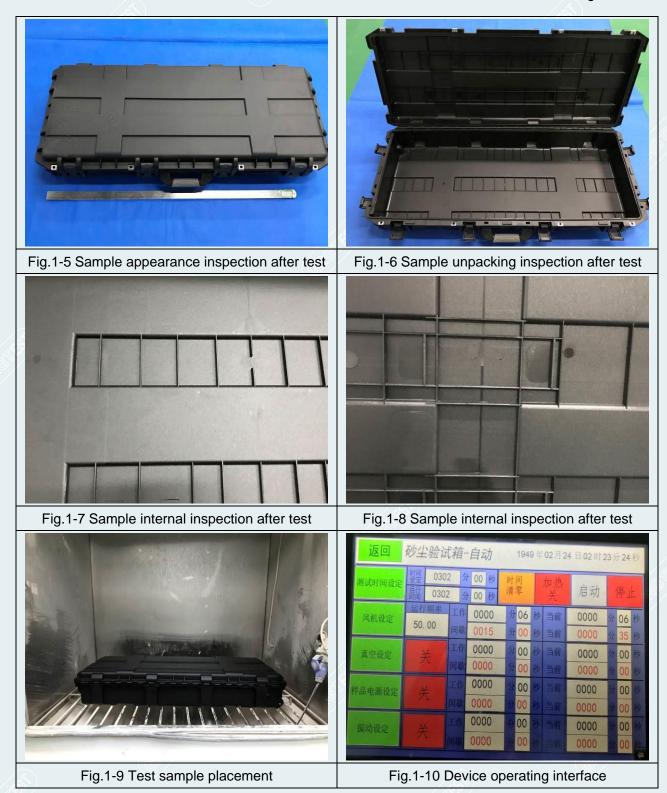


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2 Waterproof test (IPX7)

2.1 Test condition

2.1.1 Test basis: ISO 20653:2013;

2.1.2 Before the test: Check the appearance of sample;

2.1.3 Waterproof test: Fix the sample in the dipping tank and test according to the conditions listed in

Table 2-1;

2.1.4 After test: Check the appearance of sample.

Table 2-1 Waterproof test conditions

Distance between the highest p	Test time	
<u>م</u>	1000mm	Soak 30min

2.2 Sample information

Sample information is shown in Table 2-2.

Table 2-2 Sample information

Sample name Sample model		Quantity	Test No.
SINORA HARD SHELL CASE	SIN-11751-20BK	1pc	H202110086037-01#

2.3 Test requirements

- 2.3.1 Judgment basis: ISO 20653:2013;
- 2.3.2 Appearance requirements: there should be no water in the sample after the test.

2.4 Test result

The test results are shown in Table 2-3.

Table 2-3 Dustproof test result

Test No.	Appearance inspection	Conclusion
H202110086037-01#	H202110086037-01# There is no water in the sample after the test	

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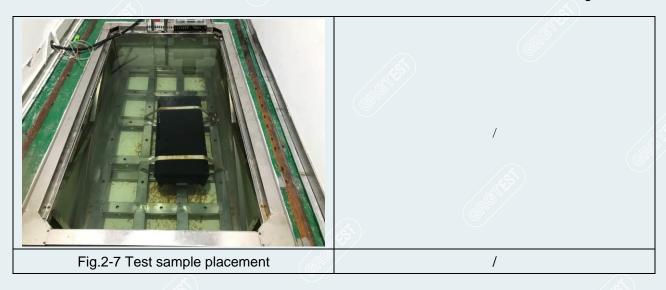
2.5 Test photos



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3 Test equipments

	List of instruments for testing equipment					
No.	Testing item	Equipment	Туре	Serial No.	Calibration valid date	
1	1 Dustproof test (IP6X)	Dust test chamber	GT1321	GT20170703001	2021-05-22~2022-05-21	
		IP4X test sonde	CX-T4D	CX1807237	2021-05-15~2022-05-14	
2	Waterpreaf test (IDV7)	Water tank		/	/	
2	Waterproof test (IPX7)	Steel rule	0~1000mm	248251	2021-05-09~2022-05-08	

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