



TEST REPORT

Applicant : Orbbec Inc.
Product Name : Orbbec Gemini 305g, Gemini 309g
Model Name : G40351-291, G40351-293
Client Reference Info. : G45351-291
Brand Name : ORBBEC
Test Request : Test as requested by client.
Receipt Date : 2026-03-23
Test Date : 2026-03-23 to 2026-03-31
Issue Date : 2026-06-26
Result Summary :

Test Request	Conclusion
Five PBT Chemicals under the Toxic Substances Control Act (TSCA) section 6(h), as amended by the Frank R. Lautenberg Chemical Safety for the 21st Century Act.	PASS

Edited by: Deng Baijian
Deng Baijian (Rapporteur)
Approved by: Kenny Li
Kenny Li (Supervisor)

NOTE: This document is issued by Shenzhen Morlab Communications Technology Co., Ltd., the test report shall not be reproduced except in full without prior written permission of the company. The test results apply only to the particular sample(s) tested and to the specific tests carried out which is available on request for validation and information confirmed at our website.





1. Applicant Information

Applicant : Orbbec Inc.

Applicant Address : Orbbec Technology Building, No.88 High-tech North 1st Road,
Nanshan District, Shenzhen, China

Manufacturer : Orbbec Inc.

Manufacturer Address : Orbbec Technology Building, No.88 High-tech North 1st Road,
Nanshan District, Shenzhen, China



2. Test Part Description

Part No.	Sample No.	Sample Description	Sample Material
A	A-1	Silvery Plastic Label	Polymer
A	A-2	Black Soft Plastic	Polymer
A	A-3	Black Glue	Composite
A	A-4	Orange Soft Plastic Ring	Polymer
A	A-5	White Plastic	Polymer
A	A-6	Black FPC	Composite
A	A-7	Yellow Adhesive Sticker	Composite
A	A-8	Black Adhesive Sticker	Composite
A	A-9	Black FPC	Composite
A	A-10	Pink Heat Conduction Silicone Grease	Composite
A	A-11	Gray Heat Conducting Silicone	Composite
A	A-12	Blue Heat Conduction Silicone Grease	Composite
A	A-13	Blue PCB	Composite
A	A-14	Black Glue	Composite
A	A-15	Black Press Port	Polymer
A	A-16	Grey Plastic	Polymer
A	A-17	Type-C Port Black Plastic	Polymer
A	A-18	Blue PCB	Composite
A	A-19	Blue PCB	Composite
A	A-20	Black Adhesive Sticker	Composite
A	A-21	Black Adhesive Sticker	Composite
A	A-22	White Gel	Composite
A	A-23	Black FPC	Composite
A	A-24	Black Plastic	Polymer
A	A-25	Transparent Plastic	Polymer
B	B-1	Green Plastic	Polymer
B	B-2	White Plastic	Polymer
B	B-3	Black Plastic	Polymer
B	B-4	Orange Soft Plastic	Polymer
B	B-5	White Plastic	Polymer
B	B-6	White Sticker	Composite
B	B-7	Black Plastic	Polymer
B	B-8	Transparent Plastic	Polymer
B	B-9	Black Plastic	Polymer
B	B-10	Black Cotton	Composite



3. Test Results

Test Method: With reference to EPA 3550C:2007 & EPA 8270E:2018. Analysis was performed by GC-MS.

Test Items	CAS No.	MDL (%(w/w))	Limit (%(w/w))	Test Result(s) (%(w/w))				
				A-1	A-2	A-3	A-4	A-5
Decabromodiphenyl ether (DecaBDE)	1163-19-5	0.005	0.10	ND	ND	ND	ND	ND
Phenol, isopropylated phosphate (3:1) (PIP (3:1))	68937-41-7	0.005	0.10	ND	ND	ND	ND	ND
Hexachlorobutadiene (HCBd)	87-68-3	0.005	Not Detectable	ND	ND	ND	ND	ND
Pentachlorothiophenol (PCTP)	133-49-3	0.005	1.00	ND	ND	ND	ND	ND
2,4,6-Tris(tert-butyl)phenol (2,4,6-TTBP)	732-26-3	0.005	0.30	ND	ND	ND	ND	ND

Test Items	CAS No.	MDL (%(w/w))	Limit (%(w/w))	Test Result(s) (%(w/w))				
				A-6	A-7	A-8	A-9	A-10
Decabromodiphenyl ether (DecaBDE)	1163-19-5	0.005	0.10	ND	ND	ND	ND	ND
Phenol, isopropylated phosphate (3:1) (PIP (3:1))	68937-41-7	0.005	0.10	ND	ND	ND	ND	ND
Hexachlorobutadiene (HCBd)	87-68-3	0.005	Not Detectable	ND	ND	ND	ND	ND
Pentachlorothiophenol (PCTP)	133-49-3	0.005	1.00	ND	ND	ND	ND	ND
2,4,6-Tris(tert-butyl)phenol (2,4,6-TTBP)	732-26-3	0.005	0.30	ND	ND	ND	ND	ND

Test Items	CAS No.	MDL (%(w/w))	Limit (%(w/w))	Test Result(s) (%(w/w))				
				A-11	A-12	A-13	A-14	A-15
Decabromodiphenyl ether (DecaBDE)	1163-19-5	0.005	0.10	ND	ND	ND	ND	ND
Phenol, isopropylated phosphate (3:1) (PIP (3:1))	68937-41-7	0.005	0.10	ND	ND	ND	ND	ND
Hexachlorobutadiene (HCBd)	87-68-3	0.005	Not Detectable	ND	ND	ND	ND	ND
Pentachlorothiophenol (PCTP)	133-49-3	0.005	1.00	ND	ND	ND	ND	ND
2,4,6-Tris(tert-butyl)phenol (2,4,6-TTBP)	732-26-3	0.005	0.30	ND	ND	ND	ND	ND



Test Items	CAS No.	MDL (%(w/w))	Limit (%(w/w))	Test Result(s) (%(w/w))				
				A-16	A-17	A-18	A-19	A-20
Decabromodiphenyl ether (DecaBDE)	1163-19-5	0.005	0.10	ND	ND	ND	ND	ND
Phenol, isopropylated phosphate (3:1) (PIP (3:1))	68937-41-7	0.005	0.10	ND	ND	ND	ND	ND
Hexachlorobutadiene (HCBd)	87-68-3	0.005	Not Detectable	ND	ND	ND	ND	ND
Pentachlorothiophenol (PCTP)	133-49-3	0.005	1.00	ND	ND	ND	ND	ND
2,4,6-Tris(tert-butyl)phenol (2,4,6-TTBP)	732-26-3	0.005	0.30	ND	ND	ND	ND	ND

Test Items	CAS No.	MDL (%(w/w))	Limit (%(w/w))	Test Result(s) (%(w/w))				
				A-21	A-22	A-23	A-24	A-25
Decabromodiphenyl ether (DecaBDE)	1163-19-5	0.005	0.10	ND	ND	ND	ND	ND
Phenol, isopropylated phosphate (3:1) (PIP (3:1))	68937-41-7	0.005	0.10	ND	ND	ND	ND	ND
Hexachlorobutadiene (HCBd)	87-68-3	0.005	Not Detectable	ND	ND	ND	ND	ND
Pentachlorothiophenol (PCTP)	133-49-3	0.005	1.00	ND	ND	ND	ND	ND
2,4,6-Tris(tert-butyl)phenol (2,4,6-TTBP)	732-26-3	0.005	0.30	ND	ND	ND	ND	ND

Test Items	CAS No.	MDL (%(w/w))	Limit (%(w/w))	Test Result(s) (%(w/w))				
				B-1	B-2	B-3	B-4	B-5
Decabromodiphenyl ether (DecaBDE)	1163-19-5	0.005	0.10	ND	ND	ND	ND	ND
Phenol, isopropylated phosphate (3:1) (PIP (3:1))	68937-41-7	0.005	0.10	ND	ND	ND	ND	ND
Hexachlorobutadiene (HCBd)	87-68-3	0.005	Not Detectable	ND	ND	ND	ND	ND
Pentachlorothiophenol (PCTP)	133-49-3	0.005	1.00	ND	ND	ND	ND	ND
2,4,6-Tris(tert-butyl)phenol (2,4,6-TTBP)	732-26-3	0.005	0.30	ND	ND	ND	ND	ND

Test Items	CAS No.	MDL (%(w/w))	Limit (%(w/w))	Test Result(s) (%(w/w))				
				B-6	B-7	B-8	B-9	B-10
Decabromodiphenyl ether (DecaBDE)	1163-19-5	0.005	0.10	ND	ND	ND	ND	ND
Phenol, isopropylated phosphate (3:1) (PIP (3:1))	68937-41-7	0.005	0.10	ND	ND	ND	ND	ND
Hexachlorobutadiene (HCBd)	87-68-3	0.005	Not Detectable	ND	ND	ND	ND	ND



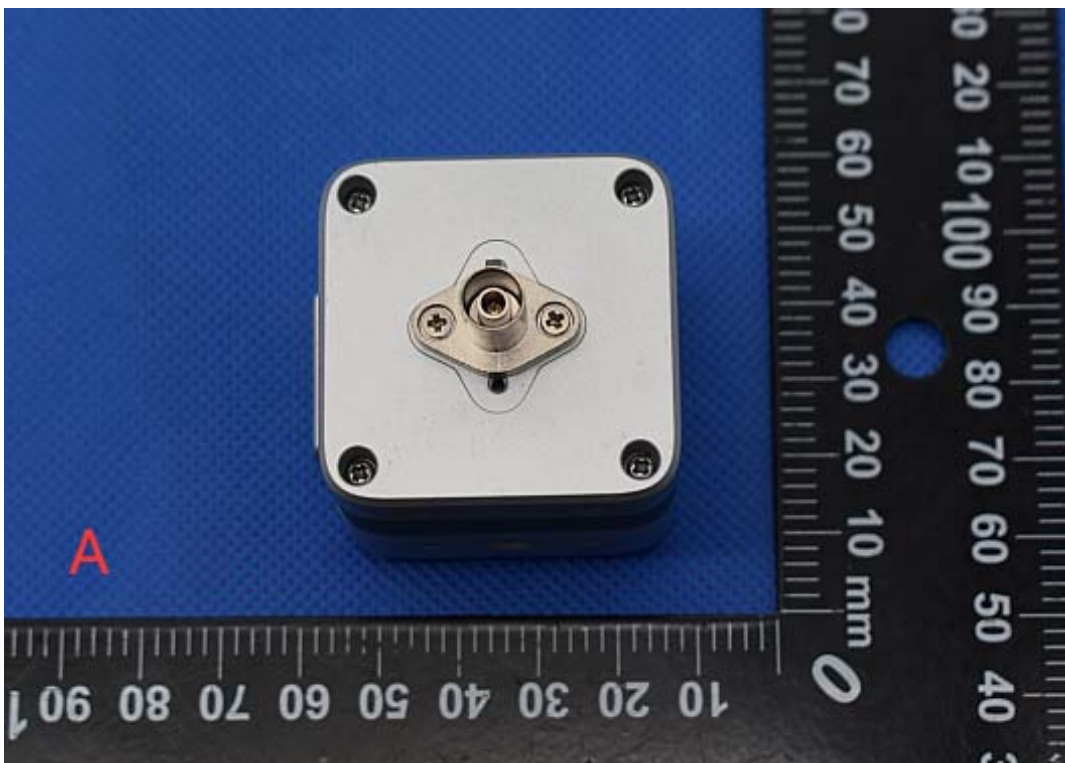
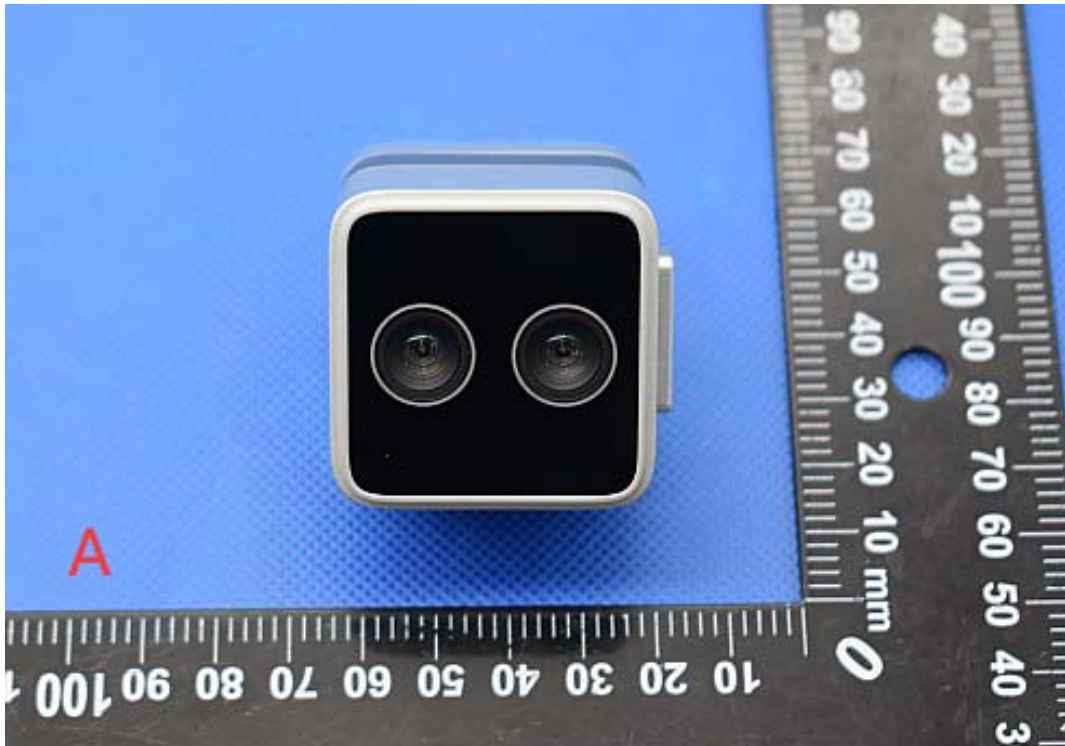
Test Items	CAS No.	MDL (%(w/w))	Limit (%(w/w))	Test Result(s) (%(w/w))				
				B-6	B-7	B-8	B-9	B-10
Pentachlorothiophenol (PCTP)	133-49-3	0.005	1.00	ND	ND	ND	ND	ND
2,4,6-Tris(tert-butyl)phenol (2,4,6-TTBP)	732-26-3	0.005	0.30	ND	ND	ND	ND	ND

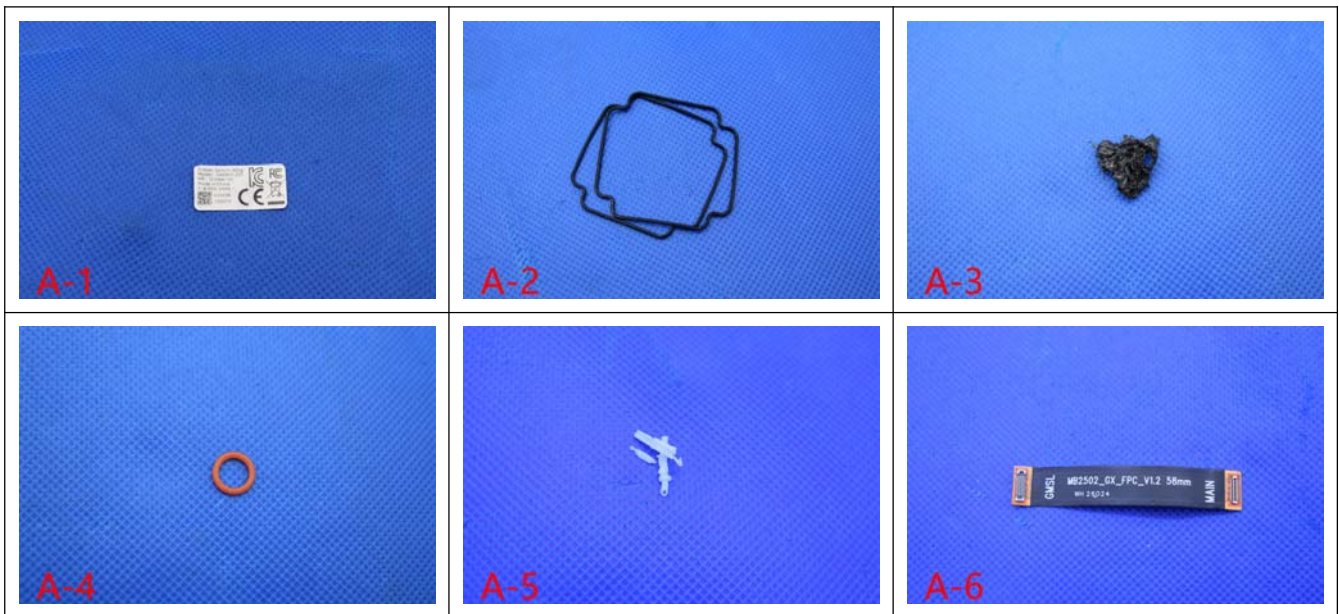
Remark:

- (1) 1 mg/kg = 1 ppm = 0.0001 %
(2) MDL = Method Detection Limit.
(3) ND = Not Detected (<MDL)
(4) This test report is variant from the original report (Report No.: SZ26030342R03, Model.: G40351-291), the changes are as follows:

Modification Table of Test Report		
Report No:	Report date	Reason for issue
SZ26030342R03	2026-04-07	Original report
SZ26060501R03	This report	Change application information

4. Photo of Sample











Annex A General Information

1.1 Identification of the Responsible Testing Laboratory

Laboratory Name:	Shenzhen Morlab Communications Technology Co., Ltd.
Laboratory Address:	FL.1-3, Building A, FeiYang Science Park, No.8 LongChang Road, Block 67, BaoAn District, ShenZhen, Guangdong Province, P. R. China
Telephone:	+86 755 36698555
Facsimile:	+86 755 36698525

1.2 Identification of the Responsible Testing Location

Name:	Shenzhen Morlab Communications Technology Co., Ltd.
Address:	FL.1-3, Building A, FeiYang Science Park, No.8 LongChang Road, Block 67, BaoAn District, ShenZhen, Guangdong Province, P. R. China

1.3 Test Equipment Utilized

No.	Equipment Name	Serial No.	Type	Manufacturer	Cal.Date	Cal.Due Date
1	Gas Chromatography-Mass Spectrometer (GC-MS)	021745700818 SA	QP2020 NX	SHIMADZU	2025.09.03	2027.09.02

1.4 Change History

Change History		
Version	Date	Reason for change
1.0	2026-06-26	First edition

Note: the latest revision of the report supersedes all previous version.



Notes

1. The report shall have report stamp or our company stamp.
2. The report shall be invalid without all the signatures of the editor and approver.
3. The report shall not be changed.
4. Any objections must be raised to Morlab within 15 days since the date when the report is received. It will not be taken into consideration beyond this limit.
5. Conformity declaration:
 - ☒ Morlab issues a statement of conformity based on the corresponding standards (default)
 - ☐ Morlab issues a statement of conformity based on the applicant requirement
6. Use of uncertainty of measurement for decisions on conformity (decision rule):

No decision rule is specified by the testing standard, when comparing the measurement result with the applicable limit according to the specification in that standard. The decisions on conformity are made without applying the measurement uncertainty ("simple acceptance" decision rule).

***** END OF REPORT *****