



TEST REPORT

Applicant : Orbbec Inc.

Product Name : 3D camera packing material

Model Name : See page 2

Brand Name : ORBBEC

Test Request : As required by client , to test Lead, Mercury, Cadmium, Hexavalent chromium content in the submitted samples.

Receipt Date : 2024-07-05

Test Date : 2024-07-06 to 2024-07-10

Issue Date : 2024-08-14

Conclusion : Based on the test results of the submitted samples, the results comply with the limits as set by Toxic Heavy Metal requirement directives 94/62/EC



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

Model Name : Gemini 336L/G40055-180/Gemini 336/G40155-180/Gemini 335L/G40055-170/Gemini 335/G40155-170/Gemini 330L/G45055-170/Gemini 330/G45155-170/Gemini DM330L/G05055-170/Gemini DM330/G05155-170/Gemini 335Lg/G40055-270/Gemini 335Le/G40055-570/Gemini 336Le/G40055-580/Gemini 330Le/G45055-570/Gemini 335Lg/G40055-270/Gemini 336Lg/G40055-280/Gemini 330Lg/G45055-270/G21 Board/CP0000-G21/G22 Board/CP0000-G22/G23 Board/CP0000-G23/Gemini 330e/G44155-470/Gemini345/G40174-192/Gemini 345Lg/G40075-272/Gemini 335e/G40155-470/Gemini 336e/G40155-480

2. Test Method

Test Item	Procedure	Apparatus
Hg	IEC 62321-4:2013+AMD1:2017	ICP-OES
Cd、Pb	IEC 62321-5:2013	AAS or ICP-OES
Cr ⁶⁺	IEC 62321-7-2:2017	UV-VIS

3. Tested components

Part No.	Sample No.	Sample Description	Sample Material
1	A-1	Brown Paper Box	Composite
2	A-2	Brown Paper Box	Composite
3	A-3	Brown Paper Box	Composite
4	A-4	White Paper Label With Black Printing	Composite



Part No.	Sample No.	Sample Description	Sample Material
5	A-5	Red Pearl Wool)	Composite
6	A-6	White Pearl Wool	Composite
7	A-7	Transparent Plastic Packing Bag	Polymer
8	A-8	White Paper Packing Box With Colour Printing	Composite
9	A-9	White Plastic Sealing Film	Polymer
10	A-10	Black Paper Tray	Composite
11	A-11	Black Plastic Nether	Polymer
12	A-12	White Paper Instruction Book With Lettering	Composite
13	A-13	Data Line Transparent Plastic Cable Ties	Polymer

4. Test Results

Test Item	Test Result(mg/kg)					MDL (mg/kg)	Limit (mg/kg)
	A-1	A-2	A-3	A-4	A-5		
Lead (Pb)	N.D.	N.D.	N.D.	N.D.	N.D.	2	-
Cadmium (Cd)	N.D.	N.D.	N.D.	N.D.	N.D.	2	-
Mercury (Hg)	N.D.	N.D.	N.D.	N.D.	N.D.	2	-
Hexavalent Chromium (Cr ⁶⁺)	N.D.	N.D.	N.D.	N.D.	N.D.	2	-
Cd+Pb+Hg+Cr ⁶⁺	N.D.	N.D.	N.D.	N.D.	N.D.	-	100



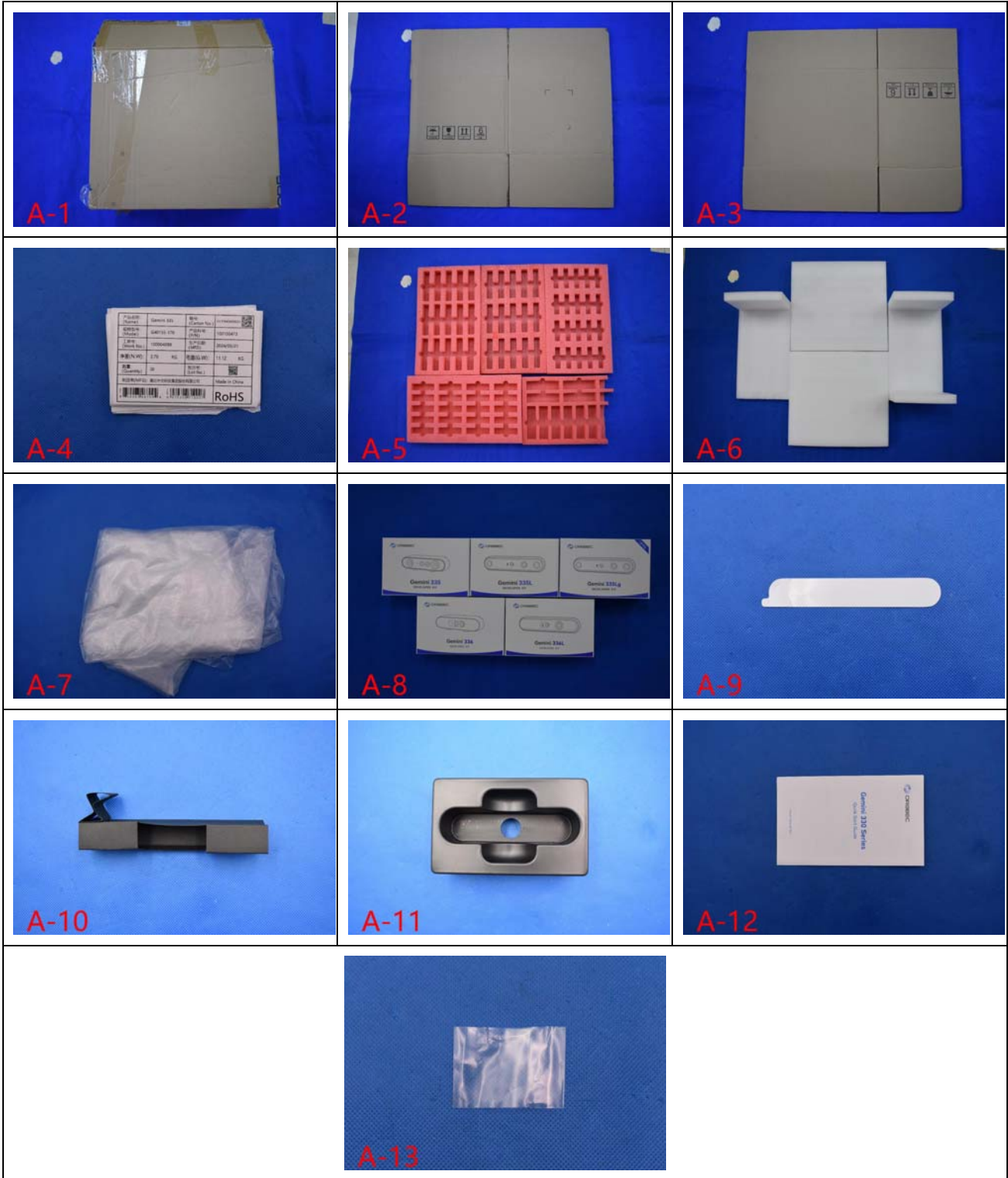
Test Item	Test Result(mg/kg)					MDL (mg/kg)	Limit (mg/kg)
	A-6	A-7	A-8	A-9	A-10		
Lead (Pb)	N.D.	N.D.	N.D.	N.D.	N.D.	2	-
Cadmium (Cd)	N.D.	N.D.	N.D.	N.D.	N.D.	2	-
Mercury (Hg)	N.D.	N.D.	N.D.	N.D.	N.D.	2	-
Hexavalent Chromium (Cr ⁶⁺)	N.D.	N.D.	N.D.	N.D.	N.D.	2	-
Cd+Pb+Hg+Cr ⁶⁺	N.D.	N.D.	N.D.	N.D.	N.D.	-	100

Test Item	Test Result(mg/kg)			MDL (mg/kg)	Limit (mg/kg)
	A-11	A-12	A-13		
Lead (Pb)	N.D.	N.D.	N.D.	2	-
Cadmium (Cd)	N.D.	N.D.	N.D.	2	-
Mercury (Hg)	N.D.	N.D.	N.D.	2	-
Hexavalent Chromium (Cr ⁶⁺)	N.D.	N.D.	N.D.	2	-
Cd+Pb+Hg+Cr ⁶⁺	N.D.	N.D.	N.D.	-	100

Remark:

- 1、mg/kg= ppm
- 2、N.D. = Not Detected (<MDL)
- 3、MDL = Method Detection Limit
- 4、When the test result is a critical value,we will use the measurement uncertainty give the judgment result based on the 95% Confidence intervals .

5.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	Inductive Coupled Plasma Emission Spectrometer (ICP-OES)	IC72DC160825	ICAP7200	Thermo	2023.02.09	2025.02.08
2	Ultraviolet and visible spectrophotometry (UV-Vis)	723S18011	DP-733S	Delp	2024.05.30	2025.05.29

1.4 Change History

Change History		
Version	Date	Reason for change
1.0	2024-08-14	First edition

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