



TEST REPORT

Applicant : Shenzhen Onlumi Technology Limited
Address : Room 218, 2F, Building D, YouDingQiChuang Area, NO. 62, HePing Road,
QingHua Community, LongHua District, Shenzhen, G. D. China

Report on the submitted samples said to be:

Sample Name(s) : Hippo-M MAX LED Strip Connector

Trade Mark :



Tested Model No. : MX/2045-X10C-2P

Model List : See appendix (See page 5)

Sample Received Date : March 06, 2025

Testing Period : March 06, 2025 ~ March 18, 2025

Date of Report : March 18, 2025

Test Location : 901, No.40 Building, Xialang Industrial Zone, Heshuikou Community,
Matian Street, Guangming District, Shenzhen, Guangdong, China

Test Results : Please refer to next page(s).

TEST REQUEST	CONCLUSION
As specified by client, based on the performed tests on submitted sample, the result of Lead(Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium(Cr(VI)), PBBs, PBDEs, Dibutyl Phthalate(DBP), Butylbenzyl Phthalate(BBP), Di-2-ethylhexyl Phthalate(DEHP) and Diisobutyl phthalate(DIBP) content comply with the limits set by RoHS Directive 2011/65/EU with amendment (EU) 2015/863.	PASS

Signed for and on behalf of LCS

Terry.Luo

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Shenzhen LCS Compliance Testing Laboratory Ltd.
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**Sample description:**

- (1) Colorless transparent plastic box
- (2) Argentine

Test method:

Lead(Pb) & Cadmium(Cd) Content:

Refer to IEC 62321-5:2013, by acid digestion and analysis was performed by inductively coupled plasma optical emission spectrometer (ICP-OES) or atomic absorption spectrometer (AAS).

Mercury(Hg) Content:

Refer to IEC 62321-4:2013+AMD1:2017 CSV, by acid digestion and analysis was performed by inductively coupled plasma optical emission spectrometer (ICP-OES).

Hexavalent Chromium(Cr(VI)) Content:

Refer to IEC 62321-7-1:2015 or IEC 62321-7-2:2017, analysis was performed by UV-visible spectrophotometer (UV-Vis).

PBBs & PBDEs Content:

Refer to IEC 62321-6:2015, by solvent extraction and analysis was performed by gas chromatography-mass spectrometer (GC-MS).

DBP, BBP, DEHP & DIBP Content:

Refer to IEC 62321-8:2017, by solvent extraction and analysis was performed by gas chromatography-mass spectrometer (GC-MS).

Test result(s):**Metal:**

Tested Item(s)	MDL (mg/kg)	Test Result(s) (mg/kg)	Limit (mg/kg)
		(2)	
Lead(Pb) Content	5	24	1000
Cadmium(Cd) Content	5	N.D.	100
Mercury(Hg) Content	5	N.D.	1000

Tested Item(s)	MDL ($\mu\text{g}/\text{cm}^2$)	Test Result(s)
		(2)
Hexavalent(Cr(VI)) Chromium Content★ (for coating on metal- water-extraction**)	0.10 (LOQ)	Negative

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**Nonmetal:**

Tested Item(s)	MDL (mg/kg)	Test Result(s) (mg/kg)	Limit (mg/kg)
		(1)	
Lead(Pb) Content	5	N.D.	1000
Cadmium(Cd) Content	5	N.D.	100
Mercury(Hg) Content	5	N.D.	1000
Hexavalent(Cr(VI)) Chromium Content	8	N.D.	1000
Dibutyl Phthalate(DBP) Content	50	N.D.	1000
Butylbenzyl Phthalate(BBP) Content	50	N.D.	1000
Di-(2-ethylhexyl) Phthalate(DEHP) Content	50	N.D.	1000
Diisobutyl phthalate(DIBP) Content	50	N.D.	1000
Polybrominated Biphenyls(PBBs) Content			
Monobromobiphenyl	5	N.D.	/
Dibromobiphenyl	5	N.D.	/
Tribromobiphenyl	5	N.D.	/
Tetrabromobiphenyl	5	N.D.	/
Pentabromobiphenyl	5	N.D.	/
Hexabromobiphenyl	5	N.D.	/
Heptabromobiphenyl	5	N.D.	/
Octabromobiphenyl	5	N.D.	/
Nonabromodiphenyl	5	N.D.	/
Decabromodiphenyl	5	N.D.	/
Total content(PBBs)	/	N.D.	1000
Polybrominated Diphenylethers(PBDEs) Content			
Monobromodiphenyl ether	5	N.D.	/
Dibromodiphenyl ether	5	N.D.	/
Tribromodiphenyl ether	5	N.D.	/
Tetrabromodiphenyl ether	5	N.D.	/
Pentabromodiphenyl ether	5	N.D.	/
Hexabromodiphenyl ether	5	N.D.	/
Heptabromodiphenyl ether	5	N.D.	/
Octabromodiphenyl ether	5	N.D.	/
Nonabromodiphenyl ether	5	N.D.	/
Decabromodiphenyl ether	5	N.D.	/
Total content(PBDEs)	/	N.D.	1000

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Note:

- MDL = Method Detection Limit
- N.D.=Not Detected(<MDL or LOQ)
- mg/kg= milligram per kilogram=ppm
- $\mu\text{g}/\text{cm}^2$ = micrograms per square centimeter
- LOQ = Limit of Quantification, The LOQ of Hexavalent chromium is $0.10 \mu\text{g}/\text{cm}^2$

**=Boiling-water-extraction:

- ★ = a. The sample is positive for Cr(VI) if the Cr(VI) concentration is greater than $0.13 \mu\text{g}/\text{cm}^2$. The sample coating is considered to contain Cr(VI).
- b. The sample is negative for Cr(VI) if Cr(VI) is N.D.(concentration less than $0.10 \mu\text{g}/\text{cm}^2$). The sample coating is considered a non- Cr(VI) based coating.
- c. The result between $0.10 \mu\text{g}/\text{cm}^2$ and $0.13 \mu\text{g}/\text{cm}^2$ is considered to be inconclusive, unavoidable coating variations may influence the determination.
- Information on storage conditions and production date of the tested samples is unavailable and thus Cr(VI) results represent status of the sample at the time of testing.



**APPENDIX :****According to client's declaration, tested material would be produced as relevant product(s).**

MX/2045-X5C-2P	MX/2045-B12-3P	MX/2045-X8-4P/L=150MM	MX/2045-2X12C-5P/L=150MM	MX/2045-X8C-2PA
MX/2045-B5C-2P	MX/2045-X12C-3P	MX/2045-2X8-4P/L=150MM	MX/2045-X12-6P/L=150MM	MX/2045-X10C-2PA
MX/2045-X5-3P	MX/2045-B12C-3P	MX/2045-X8C-4P/L=150MM	MX/2045-2X12-6P/L=150MM	MX/2045-X12C-2PA
MX/2045-B5-3P	MX/2045-X12-4P	MX/2045-2X8C-4P/L=150MM	MX/2045-X12C-6P/L=150MM	MX/2045-X5C-2PA/L=150MM
MX/2045-X8C-2P	MX/2045-B12-4P	MX/2045-X10C-2P/L=150MM	MX/2045-2X12C-6P/L=150MM	MX/2045-X8C-2PA/L=150MM
MX/2045-B8C-2P	MX/2045-X12C-4P	MX/2045-2X10C-2P/L=150MM	MX/2045-B5LC-2P	MX/2045-X10C-2PA/L=150MM
MX/2045-X8-3P	MX/2045-B12C-4P	MX/2045-X10-3P/L=150MM	MX/2045-B5L-3P	MX/2045-X12C-2PA/L=150MM
MX/2045-B8-3P	MX/2045-X12-5P	MX/2045-2X10-3P/L=150MM	MX/2045-B8LC-2P	MX/2045-2X5C-2PA/L=150MM
MX/2045-X8C-3P	MX/2045-B12-5P	MX/2045-X10C-3P/L=150MM	MX/2045-B8L-3P	MX/2045-2X8C-2PA/L=150MM
MX/2045-B8C-3P	MX/2045-X12C-5P	MX/2045-2X10C-3P/L=150MM	MX/2045-B8LC-3P	MX/2045-2X10C-2PA/L=150MM
MX/2045-X8-4P	MX/2045-B12C-5	MX/2045-X10-4P/L=150MM	MX/2045-B8L-4P	MX/2045-2X12C-2PA/L=150MM
MX/2045-B8-4P	MX/2045-X12-6P	MX/2045-2X10-4P/L=150MM	MX/2045-B8LC-4P	
MX/2045-X8C-4P	MX/2045-B12-6P	MX/2045-X10C-4P/L=150MM	MX/2045-B10LC-2P	
MX/2045-B8C-4P	MX/2045-X12C-6P	MX/2045-2X10C-4P/L=150MM	MX/2045-B10L-3P	
MX/2045-X10C-2P	MX/2045-B12C-6P	MX/2045-X10-5P/L=150MM	MX/2045-B10LC-3P	
MX/2045-B10C-2P	MX/2045-X8TC-2P	MX/2045-2X10-5P/L=150MM	MX/2045-B10L-4P	
MX/2045-X10-3P	MX/2045-B8TC-2P	MX/2045-X12C-2P/L=150MM	MX/2045-B10LC-4P	
MX/2045-B10-3P	MX/2045-X10TC-2P	MX/2045-2X12C-2P/L=150MM	MX/2045-B10L-5P	
MX/2045-X10C-3P	MX/2045-B10TC-2P	MX/2045-X12-3P/L=150MM	MX/2045-B10LC-5P	
MX/2045-B10C-3P	MX/2045-X5C-2P/L=150MM	MX/2045-2X12-3P/L=150MM	MX/2045-B12LC-2P	
MX/2045-X10-4P	MX/2045-2X5C-2P/L=150MM	MX/2045-X12C-3P/L=150MM	MX/2045-B12L-3P	
MX/2045-B10-4P	MX/2045-X5-3P/L=150MM	MX/2045-2X12C-3P/L=150MM	MX/2045-B12LC-3P	
MX/2045-X10C-4P	MX/2045-2X5-3P/L=150MM	MX/2045-X12-4P/L=150MM	MX/2045-B12L-4P	
MX/2045-B10C-4P	MX/2045-X8C-2P/L=150MM	MX/2045-2X12-4P/L=150MM	MX/2045-B12LC-4P	
MX/2045-X10-5P	MX/2045-2X8C-2P/L=150MM	MX/2045-X12C-4P/L=150MM	MX/2045-B12L-5P	
MX/2045-B10-5P	MX/2045-X8-3P/L=150MM	MX/2045-2X12C-4P/L=150MM	MX/2045-B12LC-5P	
MX/2045-X12C-2P	MX/2045-2X8-3P/L=150MM	MX/2045-X12-5P/L=150MM	MX/2045-B12L-6P	
MX/2045-B12C-2P	MX/2045-X8C-3P/L=150MM	MX/2045-2X12-5P/L=150MM	MX/2045-B12LC-6P	
MX/2045-X12-3P	MX/2045-2X8C-3P/L=150MM	MX/2045-X12C-5P/L=150MM	MX/2045-X5C-2PA	

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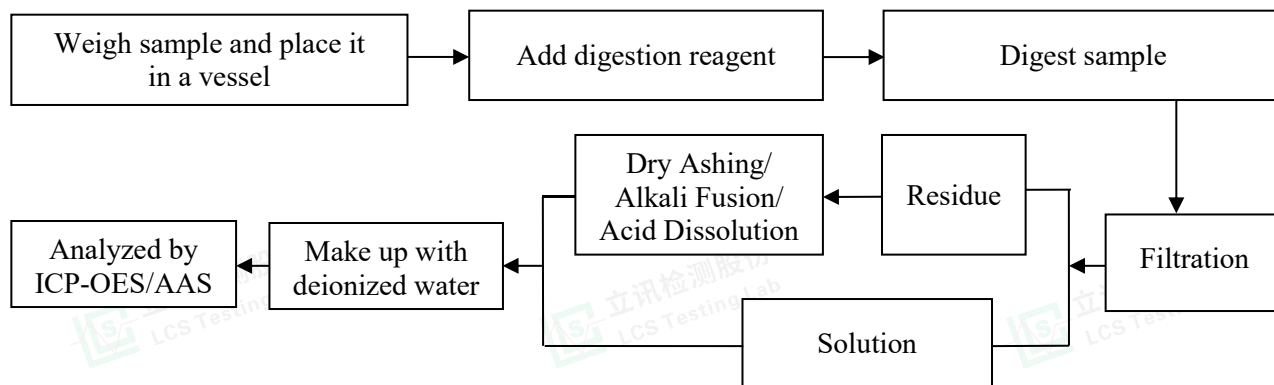


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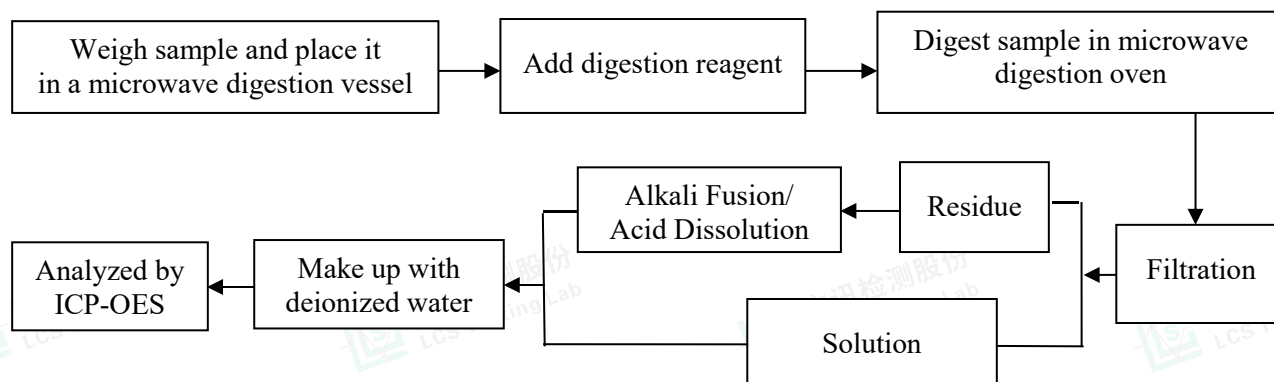


Test Process

1. Lead(Pb) & Cadmium(Cd): IEC 62321-5:2013

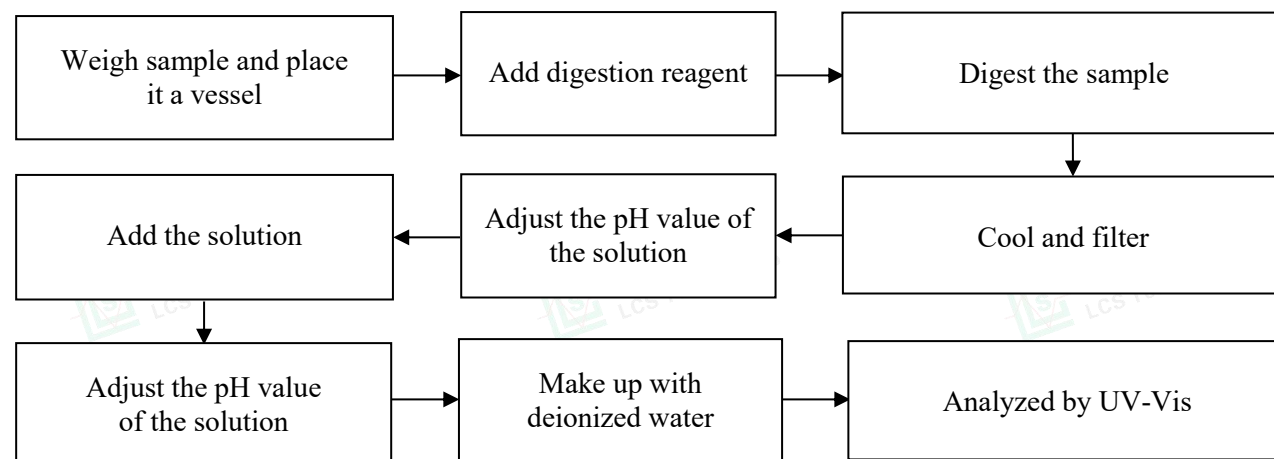


2. Mercury(Hg): IEC 62321-4:2013+AMD1:2017 CSV



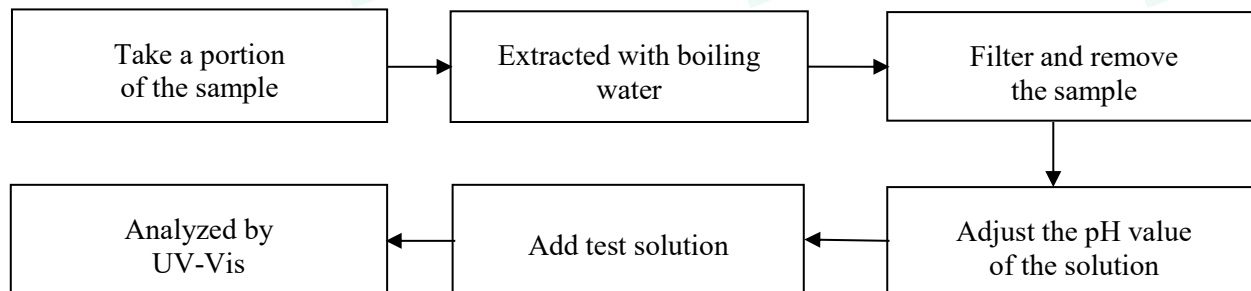
3. Hexavalent Chromium(Cr(VI)):

1) IEC 62321-7-2:2017

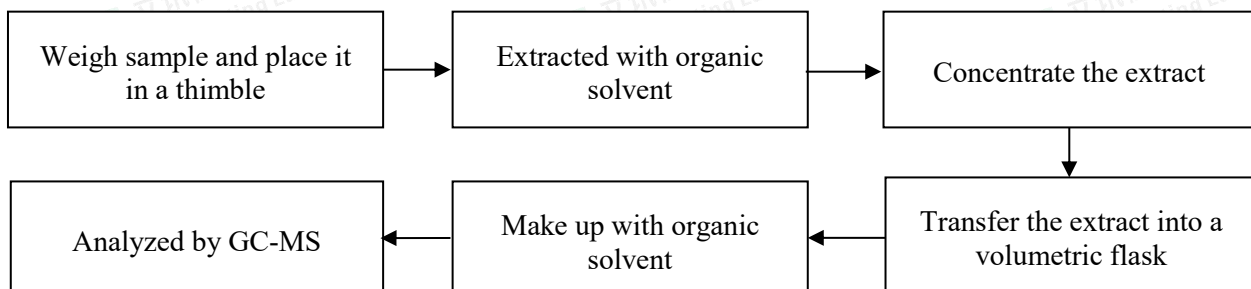




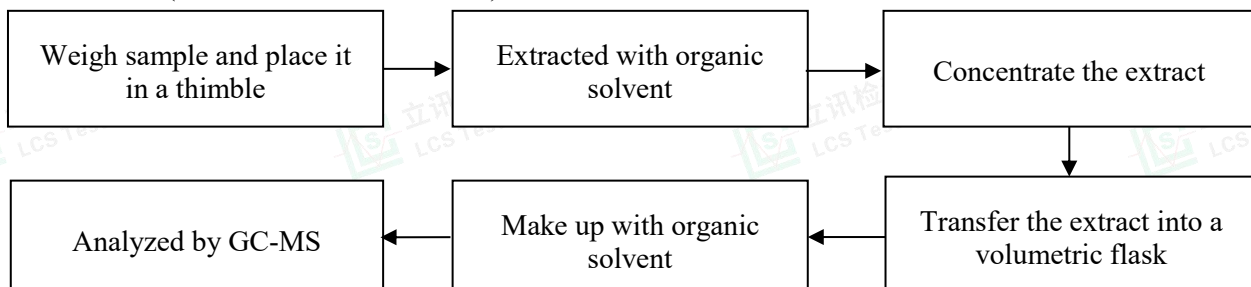
2) IEC 62321-7-1:2015



4. Polybrominated Biphenyls(PBBs) & Polybrominated Diphenyl Ethers(PBDEs) : IEC 62321-6:2015

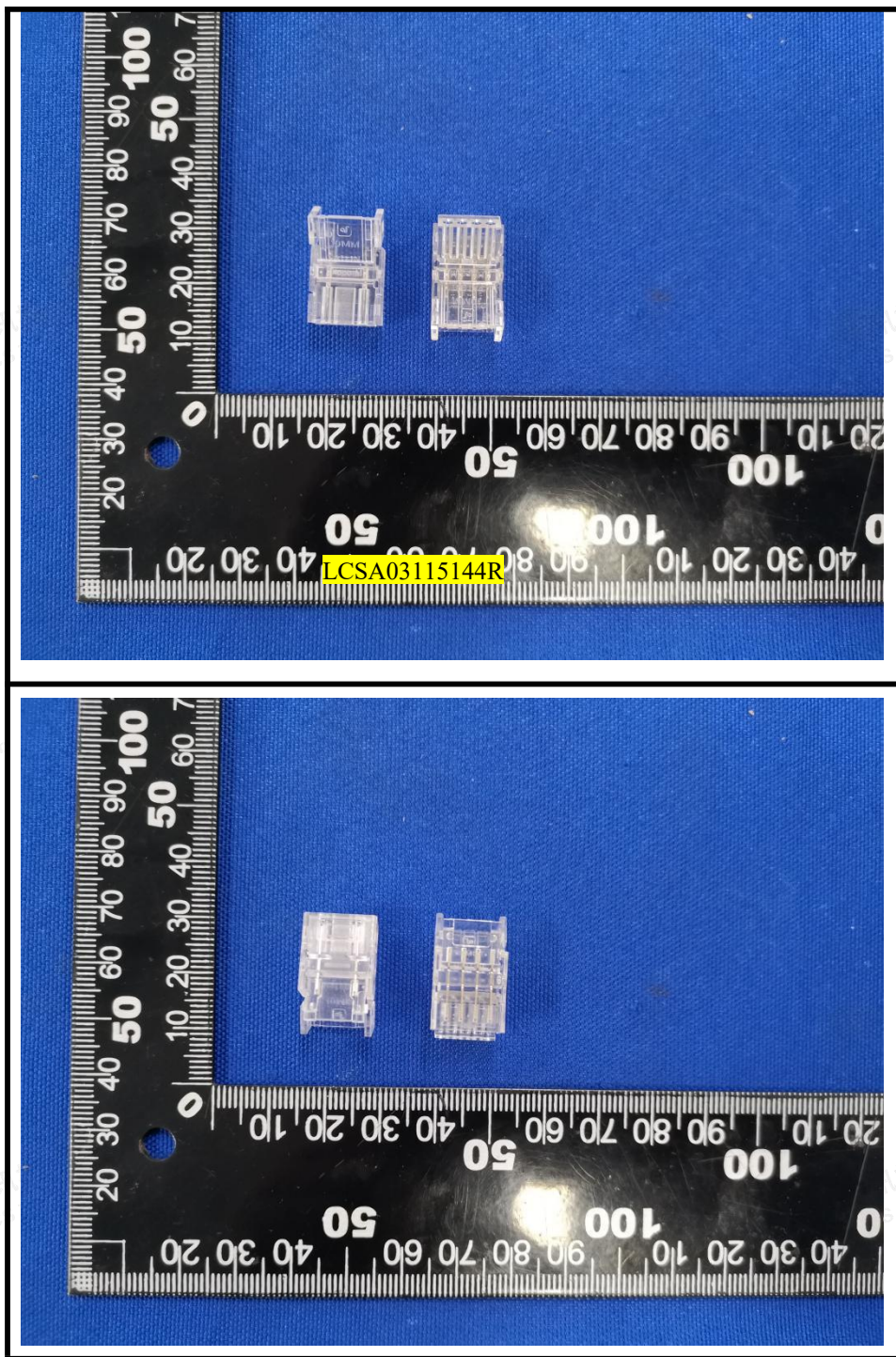


5. Phthalates(DBP, BBP, DEHP & DIBP) : IEC 62321-8:2017





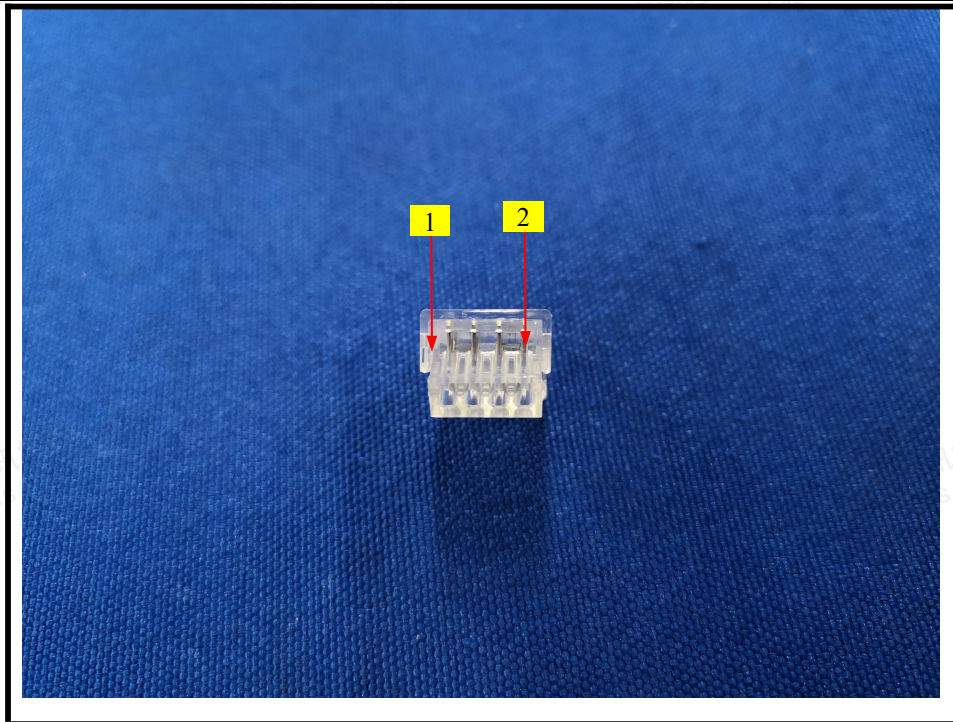
The photo(s) of the sample



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