

RoHS Test Report

Project No. : 65.15.26.0345.01

Applicant : Zhongshan Sunde Lighting Co., Ltd.

Address : No.11 Yuxiang Dongdi Street Henglan Town, Zhongshan City Guangdong Province , 528478 China

Manufacturer : Zhongshan Sunde Lighting Co., Ltd.

Address : No.11 Yuxiang Dongdi Street Henglan Town, Zhongshan City Guangdong Province , 528478 China

Factory : Zhongshan Sunde Lighting Co., Ltd.

Address : No.11 Yuxiang Dongdi Street Henglan Town, Zhongshan City Guangdong Province , 528478 China

Product : LED FLOOD light

Model : See model list

Date of receipt : 2026-07-10

Test Specification: Cadmium, Lead, Chromium (VI), Mercury, Polybrominated biphenyls (PBB) and Polybrominated diphenyl ethers (PBDE), RoHS Phthalates (BBP, DBP, DEHP, DIBP) According to RoHS (recast): Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment, 2011/65/EU and its amendment 2015/863/EU

RESULTS : PASS

Conclusions : The submitted product COMPLIED with the requirements of RoHS

Test engineer : Will Chen

Reviewed by : Helen Li

Issued Date : 2026-07-28

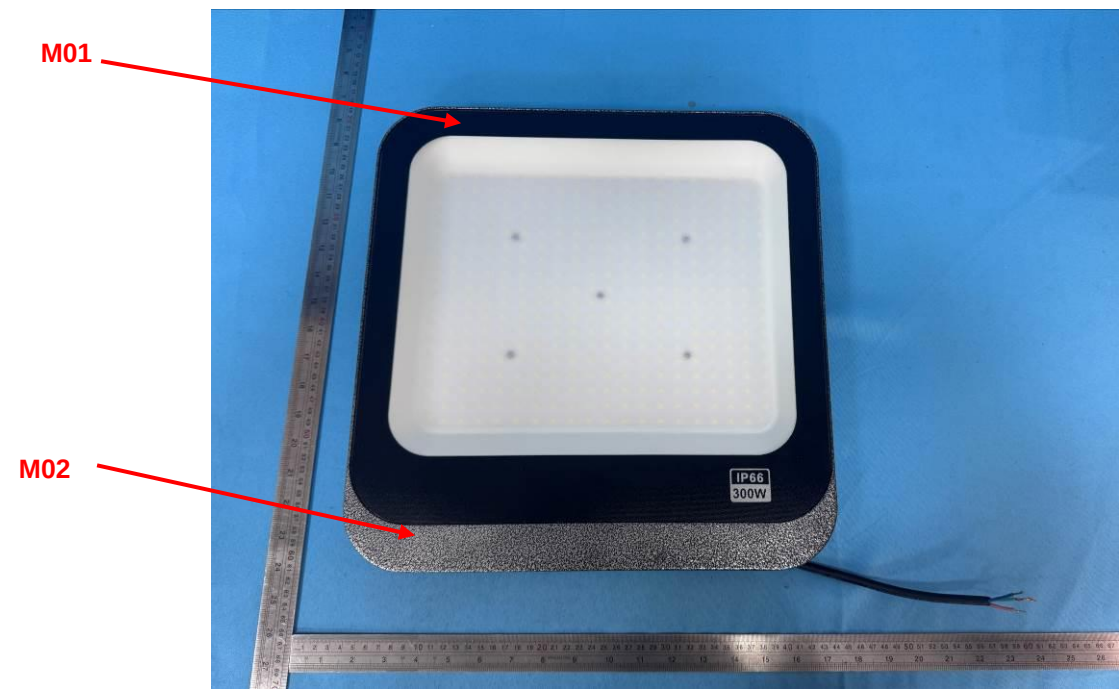


The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 30 days only.

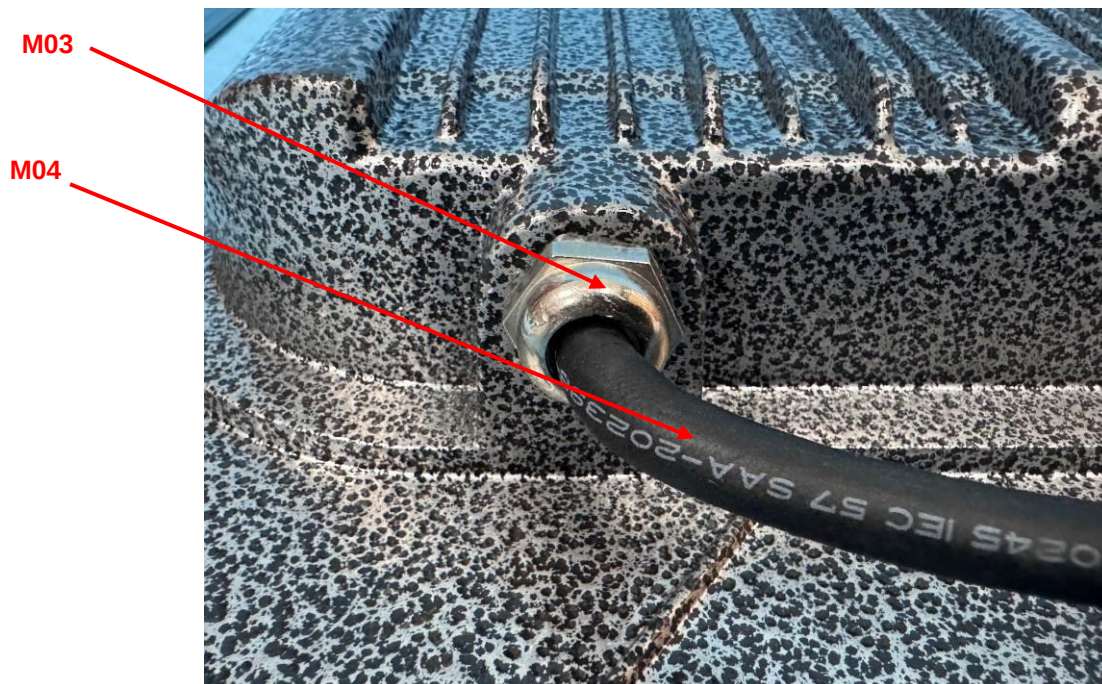
Model list

NO.	Model	Rated voltage and frequency	Rated power
1	SD-SF22902-1	165-265V, 50/60Hz	50W
2	SD-SF22902-2	165-265V, 50/60Hz	100W
3	SD-SF22902-3	165-265V, 50/60Hz	200W
4	SD-SF22902-4	165-265V, 50/60Hz	300W
5	SD-SF22902-5	165-265V, 50/60Hz	400W

Specimen Description:

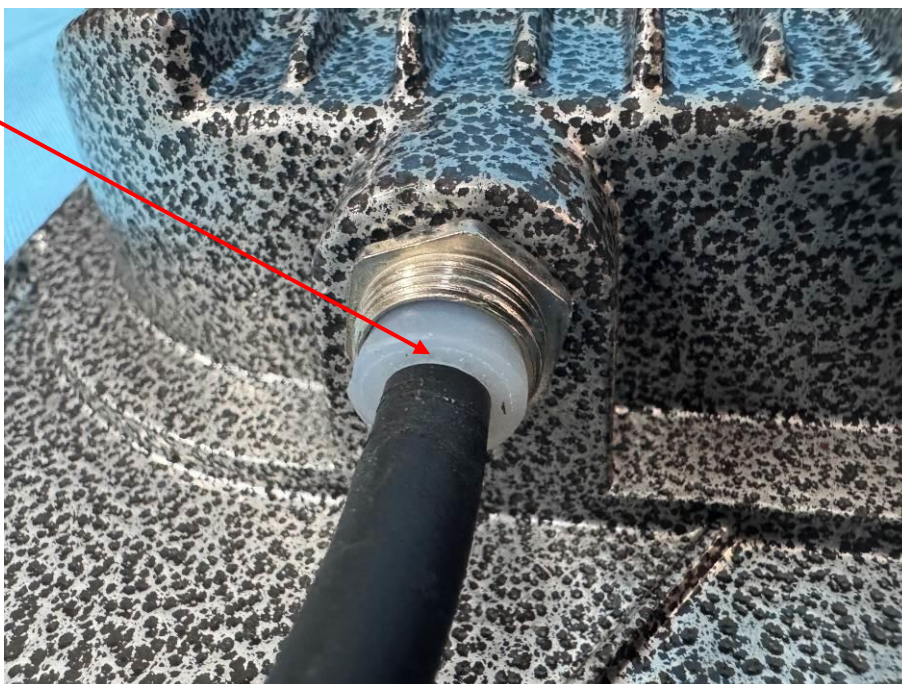


Material No.	Tested Material Description	Cd	Cr	Pb	Hg	Br
M01	Black frame	n.d.	n.d.	n.d.	n.d.	n.d.
M02	Metal case	n.d.	n.d.	n.d.	n.d.	n.a.



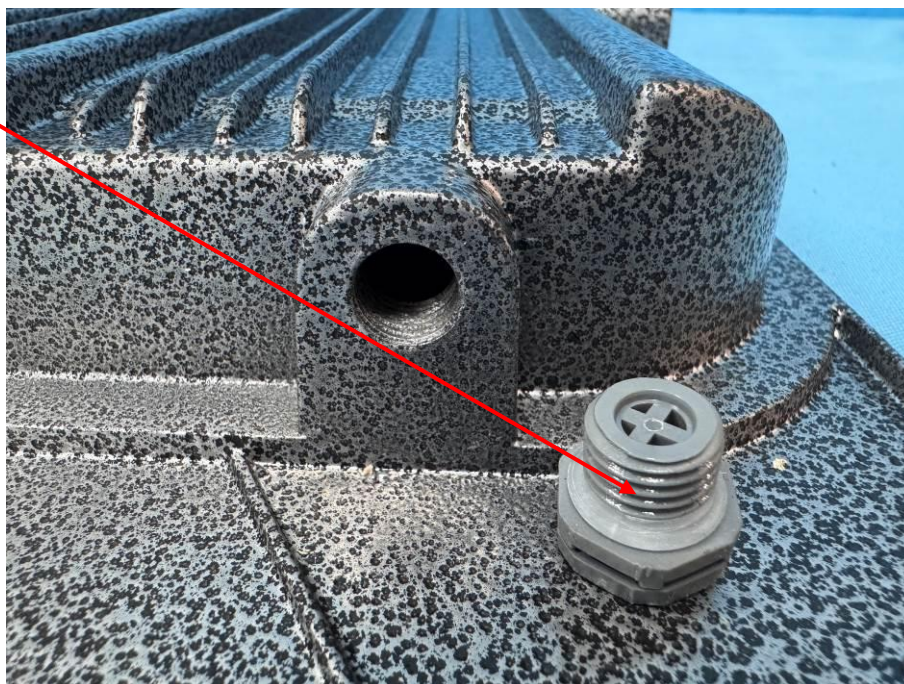
Material No.	Tested Material Description	Cd	Cr	Pb	Hg	Br
M03	Nut	n.d.	n.d.	n.d.	n.d.	n.a.
M04	Black tube	n.d.	n.d.	n.d.	n.d.	n.d.

M05

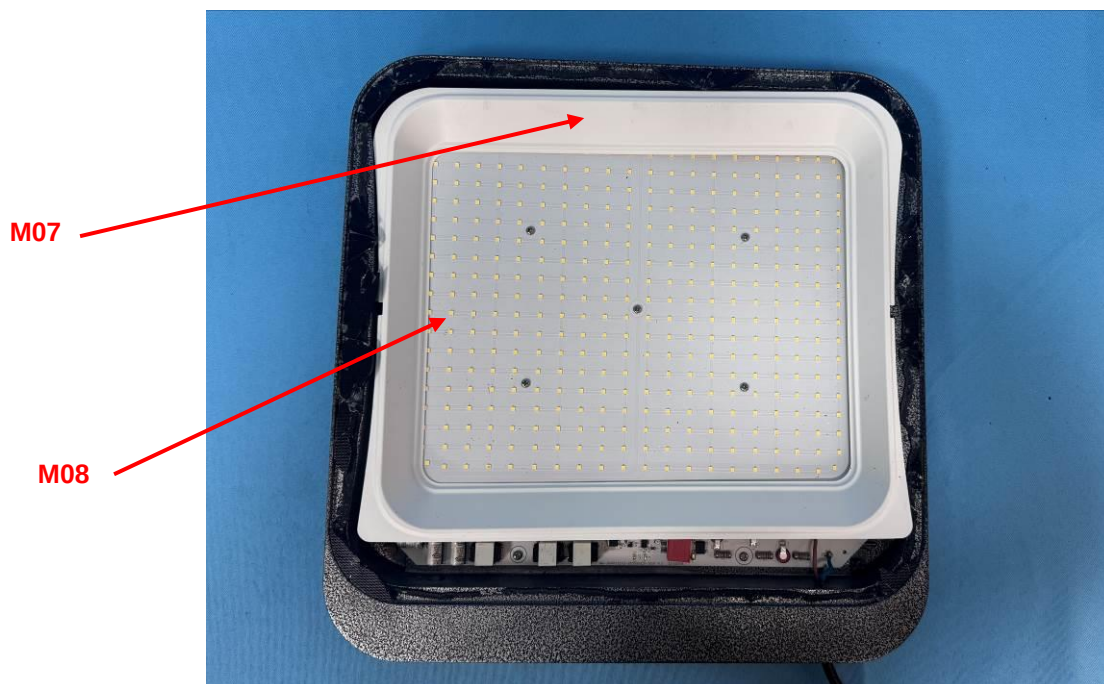


Material No.	Tested Material Description	Cd	Cr	Pb	Hg	Br
M05	Plastic tip	n.d.	n.d.	n.d.	n.d.	n.d.

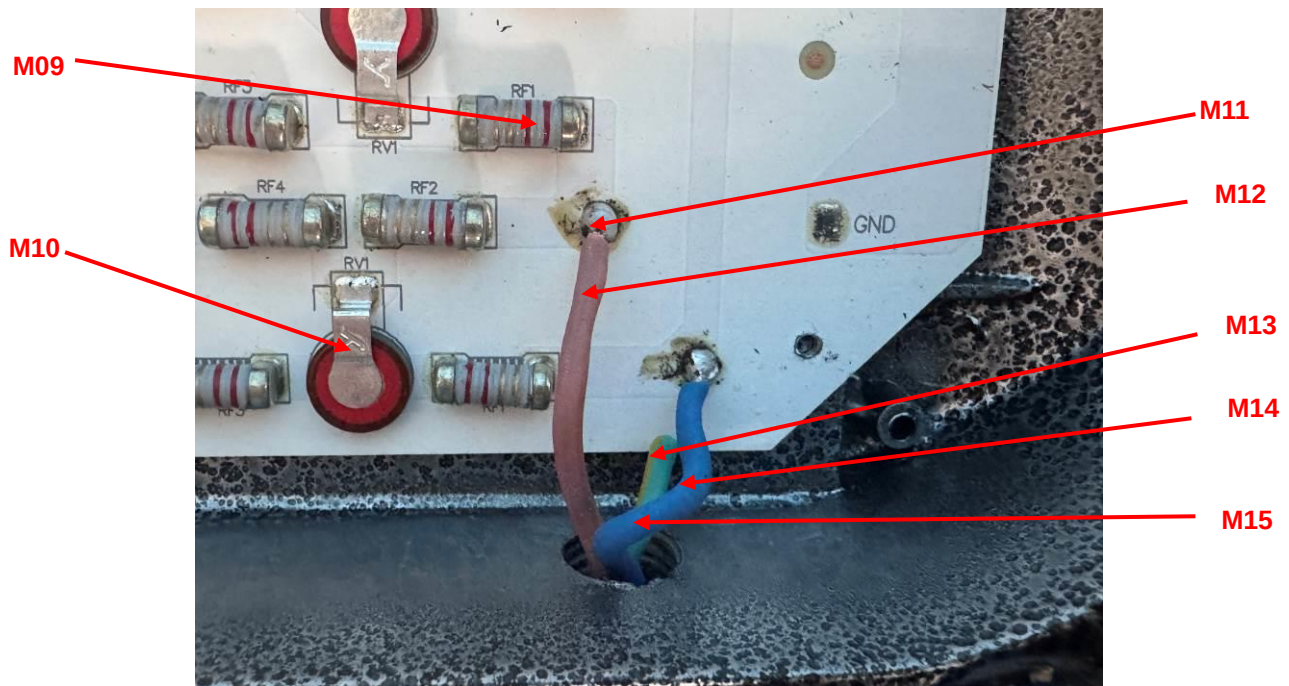
M06



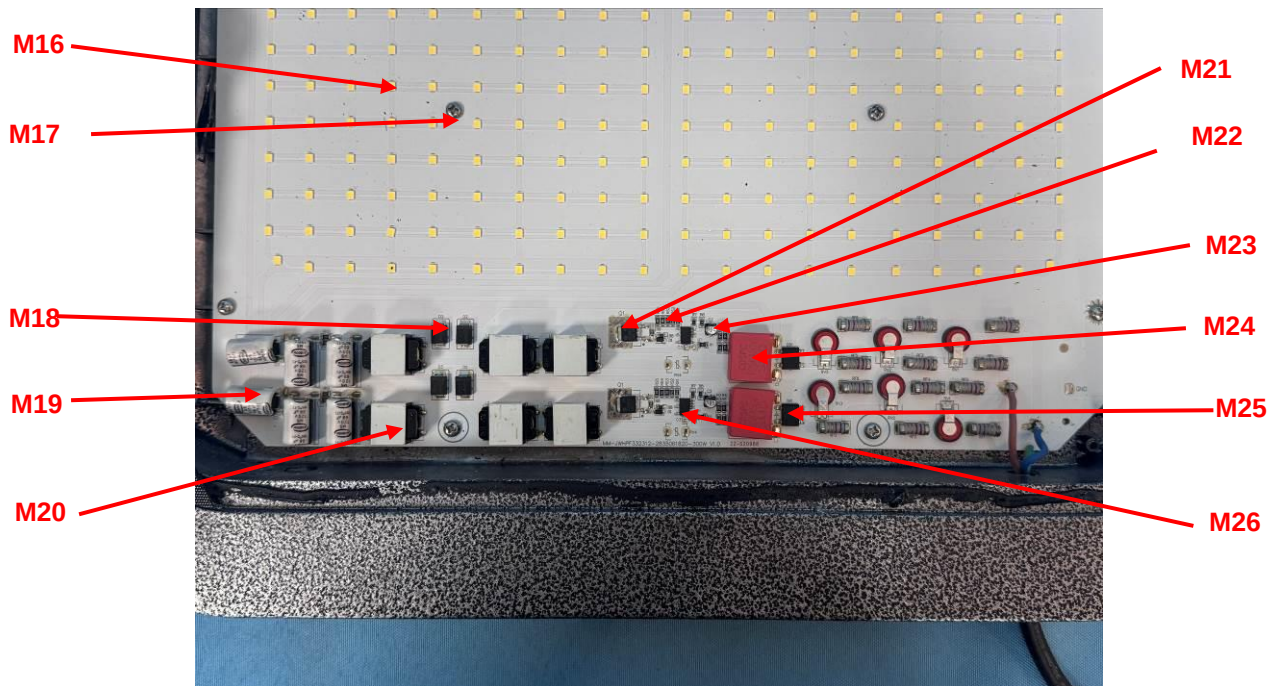
Material No.	Tested Material Description	Cd	Cr	Pb	Hg	Br
M06	Plastic tip	n.d.	n.d.	n.d.	n.d.	n.d.



Material No.	Tested Material Description	Cd	Cr	Pb	Hg	Br
M07	White plastic case	n.d.	n.d.	n.d.	n.d.	n.d.
M08	PCB	n.d.	n.d.	n.d.	n.d.	n.d.



Material No.	Tested Material Description	Cd	Cr	Pb	Hg	Br
M09	Cement resistorr	n.d.	n.d.	n.d.	n.d.	n.a.
M10	Varistor	n.d.	n.d.	n.d.	n.d.	n.a.
M11	Tin	n.d.	n.d.	n.d.	n.d.	n.a.
M12	Red skin	n.d.	n.d.	n.d.	n.d.	n.d.
M13	Yellow-green skin	n.d.	n.d.	n.d.	n.d.	n.d.
M14	Blue skin	n.d.	n.d.	n.d.	n.d.	n.d.
M15	Copper wire	n.d.	n.d.	n.d.	n.d.	n.a.



Material No.	Tested Material Description	Cd	Cr	Pb	Hg	Br
M16	LED module	n.d.	n.d.	n.d.	n.d.	n.a.
M17	Screw	n.d.	n.d.	n.d.	n.d.	n.a.
M18	Diode	n.d.	n.d.	n.d.	n.d.	n.a.
M19	Capacitance	n.d.	n.d.	n.d.	n.d.	n.a.
M20	Inductance	n.d.	n.d.	n.d.	n.d.	n.a.
M21	Audion	n.d.	n.d.	n.d.	n.d.	n.a.
M22	SMD resistor	n.d.	n.d.	n.d.	n.d.	n.a.
M23	Capacitance	n.d.	n.d.	n.d.	n.d.	n.a.
M24	Capacitance	n.d.	n.d.	n.d.	n.d.	n.a.
M25	Rectifier bridge	n.d.	n.d.	n.d.	n.d.	n.a.
M26	IC	n.d.	n.d.	n.d.	n.d.	n.a.

Screening limits for different matrices:

Material	Concentration(mg/kg)				
	Cd	Cr	Pb	Hg	Br
Metallic	P≤60<X≤140<F	P≤640<X	P≤670<X≤1330<F	P≤660<X≤1340<F	NA
Polymeric	P≤60<X≤140<F	P≤640<X	P≤670<X≤1330<F	P≤660<X≤1340<F	P≤290<X
Electronic Components	P≤40<X≤160<F	P≤440<X	P≤470<X≤1530<F	P≤460<X≤1540<F	P≤240<X

Note :

Pb = Lead
Cd = Cadmium
Hg = Mercury
Cr = Chromium
Br = Bromine

n.a. = not applicable
n.d.= not detected
d.= detected

<u>No.</u>	<u>Item</u>	<u>Unit</u>	<u>MDL</u>	<u>M01</u>	<u>M02</u>	<u>M03</u>	<u>M04</u>	<u>M05</u>	<u>M06</u>	<u>M07</u>	<u>Limits</u>
1.	polybrominated biphenyls (PBBs)	mg/kg	5	n.d.	n.a.	n.a.	n.d.	n.d.	n.d.	n.d.	1000
	Polybrominated diphenylethers (PBDEs/PBBEs)	mg/kg	5	n.d.	n.a.	n.a.	n.d.	n.d.	n.d.	n.d.	1000

<u>No.</u>	<u>Item</u>	<u>Unit</u>	<u>MDL</u>	<u>M08</u>	<u>M09</u>	<u>M10</u>	<u>M11</u>	<u>M12</u>	<u>M13</u>	<u>M14</u>	<u>Limits</u>
2.	polybrominated biphenyls (PBBs)	mg/kg	5	n.d.	n.a.	n.a.	n.a.	n.d.	n.d.	n.d.	1000
	Polybrominated diphenylethers (PBDEs/PBBEs)	mg/kg	5	n.d.	n.a.	n.a.	n.a.	n.d.	n.d.	n.d.	1000

<u>No.</u>	<u>Item</u>	<u>Unit</u>	<u>MDL</u>	<u>M15</u>	<u>M16</u>	<u>M17</u>	<u>M18</u>	<u>M19</u>	<u>M20</u>	<u>M21</u>	<u>Limits</u>
3.	polybrominated biphenyls (PBBs)	mg/kg	5	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	1000
	Polybrominated diphenylethers (PBDEs/PBBEs)	mg/kg	5	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	1000

<u>No.</u>	<u>Item</u>	<u>Unit</u>	<u>MDL</u>	<u>M22</u>	<u>M23</u>	<u>M24</u>	<u>M25</u>	<u>M26</u>	--	--	<u>Limits</u>
4.	polybrominated biphenyls (PBBs)	mg/kg	5	n.a.	n.a.	n.a.	n.a.	n.a.	--	--	1000
	Polybrominated diphenylethers (PBDEs/PBDEs)	mg/kg	5	n.a.	n.a.	n.a.	n.a.	n.a.	--	--	1000

(The test was conducted as whole sample)

Note : PBBs = Total Polybrominated Biphenyls

PBDEs = Total Polybrominated Diphenyl Ethers

RL = Reporting Limit

n.a. = Not Applicable

n.d.= Not detected

d.= detected

mg/kg=milligram per kilogram

MDL = Method Detection Limit

	BBP	DBP	DEHP	DIBP
Maximum permissible Limit (%)	0.1	0.1	0.1	0.1

Material No.	RL(%)			
	BBP	DBP	DEHP	DIBP
	0.005	0.005	0.005	0.005
M01	n.d.	n.d.	n.d.	n.d.
M04	n.d.	n.d.	n.d.	n.d.
M05	n.d.	n.d.	n.d.	n.d.
M06	n.d.	n.d.	n.d.	n.d.
M07	n.d.	n.d.	n.d.	n.d.
M08	n.d.	n.d.	n.d.	n.d.
M12	n.d.	n.d.	n.d.	n.d.
M13	n.d.	n.d.	n.d.	n.d.
M14	n.d.	n.d.	n.d.	n.d.

Note: BBP= Benzylbutyl phthalate

DBP= Dibutyl phthalate

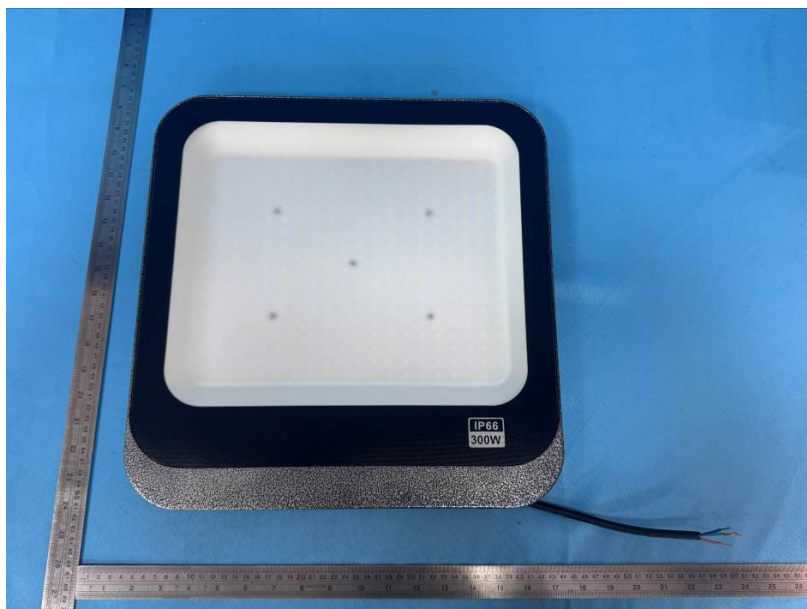
DEHP= Bis(2-ethylhexyl) phthalate DIBP= Diisobutyl phthalate

n.d.= Not Detected (< Reporting Limit)RL = Reporting Limit

N.A. = Not Applicable

%= percentage

PHOTOS OF THE SAMPLES:



General view SD-SF22902-4

---- End of the report ----