

# RoHS Test Report

**Project No.** : 61.15.22.0433.01

**Applicant** : V-TAC EXPORTS LIMITED

**Address** : ROOM NO 301, KAM ON BUILDING, 176A QUEENS ROAD CENTRAL,  
CENTRAL, HONG KONG

**Manufacturer** : V-TAC EXPORTS LIMITED

**Address** : ROOM NO 301, KAM ON BUILDING, 176A QUEENS ROAD CENTRAL,  
CENTRAL, HONG KONG

**Factory** : GUANGDONG COOPER OPTOELECTRONICS INCORPORATED CO., LTD.

**Address** : NO.5 BUILDING 7, NO.27 OF HIGH-TECH EAST ROAD, JIANGHAI DISTRICT,  
JIANGMEN CITY, GUANGDONG CHINA

**Product** : LED Strip Light

**Trademark** : N/A

**Model** : See model list

**Date of receipt** : 2022-10-21

**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** : Rain Chen

**Reviewed by** : Arvin Hu

**Issued Date** : 2022-11-04



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

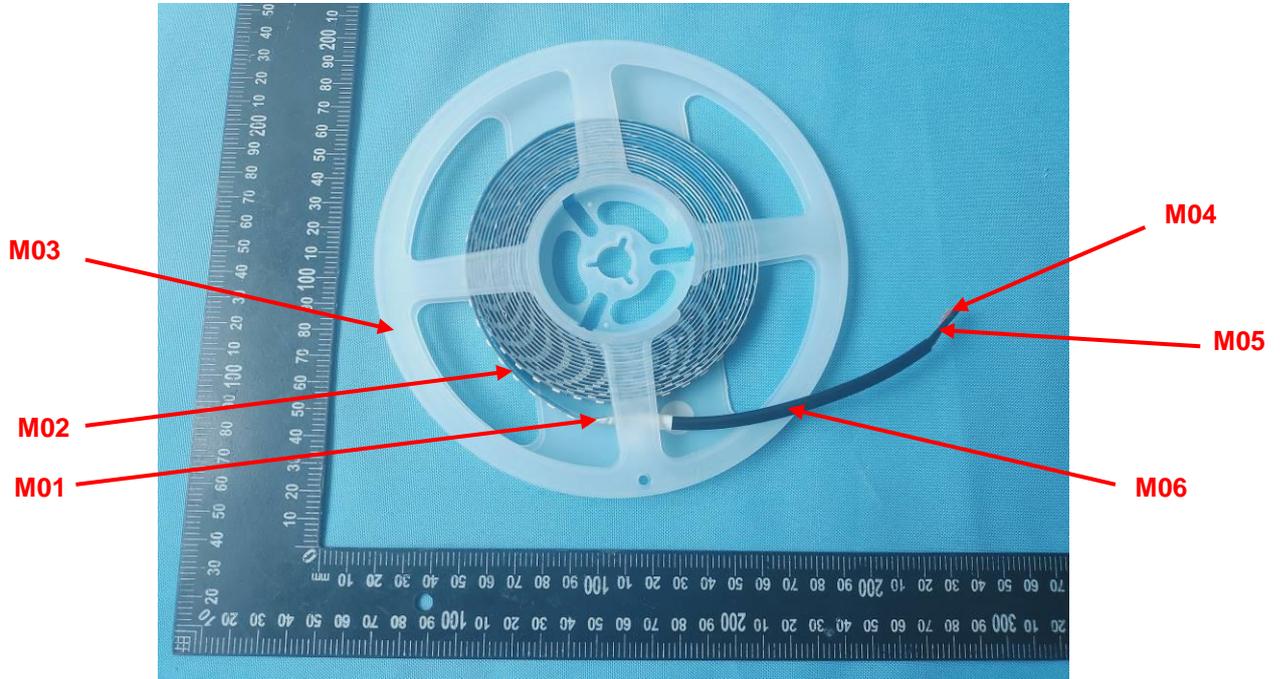
Model	Input	Rated Power	Length
12V-2835-60L-IP20-3.2W	12VDC	3.2W/m	Max. 5m
12V-2835-60L-IP20	12VDC	4.2W/m	Max. 5m
12V-2835-60L-IP20-5W	12VDC	5W/m	Max. 5m
12V-2835-120L-IP20	12VDC	8W/m	Max. 5m
12V-2835-120L-IP20-10W	12VDC	10W/m	Max. 5m
12V-2835-120L-IP20-12W	12VDC	12W/m	Max. 5m
12V-2835-120L-IP20-14W	12VDC	14W/m	Max. 5m
12V-2835-168L-IP20	12VDC	13W/m	Max. 5m
12V-2835-180L-IP20	12VDC	14W/m	Max. 5m
12V-2835-192L-IP20	12VDC	16W/m	Max. 5m
12V-2835-204L-IP20	12VDC	17W/m	Max. 5m
12V-2835-240L-IP20-17W	12VDC	17W/m	Max. 5m
12V-2835-240L-IP20	12VDC	20W/m	Max. 5m
12V-5050-30L-IP20-RGB	12VDC	4W/m	Max. 5m
12V-5050-30L-IP20	12VDC	6W/m	Max. 5m
12V-5050-60L-IP20-RGB	12VDC	7W/m	Max. 5m
12V-5050-60L-IP20-8W	12VDC	8W/m	Max. 5m
12V-5050-60L-IP20	12VDC	11W/m	Max. 5m
12V-5050-60L-IP20-15W	12VDC	15W/m	Max. 5m
12V-5050-72L-IP20	12VDC	12W/m	Max. 5m
12V-5050-96L-IP20	12VDC	15W/m	Max. 5m
12V-5050-120L-IP20	12VDC	20W/m	Max. 5m
12V-4040-60L-IP20	12VDC	8W/m	Max. 5m
12V-5730-120L-IP20	12VDC	20W/m	Max. 5m
12V-2835-60L-IP65-3.2W	12VDC	3.2W/m	Max. 5m
12V-2835-60L-IP65	12VDC	4.2W/m	Max. 5m
12V-2835-60L-IP65-5W	12VDC	5W/m	Max. 5m
12V-2835-120L-IP65	12VDC	8W/m	Max. 5m
12V-2835-120L-IP65-10W	12VDC	10W/m	Max. 5m
12V-2835-120L-IP65-12W	12VDC	12W/m	Max. 5m
12V-2835-120L-IP65-14W	12VDC	14W/m	Max. 5m
12V-2835-168L-IP65	12VDC	13W/m	Max. 5m
12V-2835-180L-IP65	12VDC	14W/m	Max. 5m
12V-2835-192L-IP65	12VDC	16W/m	Max. 5m
12V-2835-204L-IP65	12VDC	17W/m	Max. 5m
12V-2835-240L-IP65-17W	12VDC	17W/m	Max. 5m
12V-2835-240L-IP65	12VDC	20W/m	Max. 5m
12V-5050-30L-IP65-RGB	12VDC	4W/m	Max. 5m
12V-5050-30L-IP65	12VDC	6W/m	Max. 5m

12V-5050-60L-IP65-RGB	12VDC	7W/m	Max. 5m
12V-5050-60L-IP65-8W	12VDC	8W/m	Max. 5m
12V-5050-60L-IP65	12VDC	11W/m	Max. 5m
12V-5050-60L-IP65-15W	12VDC	15W/m	Max. 5m
12V-5050-72L-IP65	12VDC	12W/m	Max. 5m
12V-5050-96L-IP65	12VDC	15W/m	Max. 5m
12V-5050-120L-IP65	12VDC	20W/m	Max. 5m
12V-4040-60L-IP65	12VDC	8W/m	Max. 5m
12V-5730-120L-IP65	12VDC	20W/m	Max. 5m
24V-2835-60L-IP20-3.2W	24VDC	3.2W/m	Max. 30m
24V-2835-60L-IP20	24VDC	4.2W/m	Max. 30m
24V-2835-60L-IP20-5W	24VDC	5W/m	Max. 30m
24V-2835-90L-IP20	24VDC	4W/m	Max. 30m
24V-2835-120L-IP20	24VDC	8W/m	Max. 30m
24V-2835-120L-IP20-10W	24VDC	10W/m	Max. 30m
24V-2835-120L-IP20-12W	24VDC	12W/m	Max. 30m
24V-2835-120L-IP20-14W	24VDC	14W/m	Max. 30m
24V-2835-126L-IP20	24VDC	8W/m	Max. 30m
24V-2835-128L-IP20	24VDC	9W/m	Max. 30m
24V-2835-168L-IP20	24VDC	12W/m	Max. 30m
24V-2835-238L-IP20	24VDC	18W/m	Max. 30m
24V-2835-180L-IP20	24VDC	14W/m	Max. 30m
24V-2835-192L-IP20	24VDC	16W/m	Max. 30m
24V-2835-204L-IP20	24VDC	17W/m	Max. 30m
24V-2835-240L-IP20-15W	24VDC	15W/m	Max. 30m
24V-2835-240L-IP20-18W	24VDC	18W/m	Max. 30m
24V-2835-240L-IP20	24VDC	20W/m	Max. 30m
24V-2835-360L-IP20	24VDC	28W/m	Max. 30m
24V-2835-378L-IP20	24VDC	35W/m	Max. 30m
24V-2835-504L-IP20	24VDC	45W/m	Max. 30m
24V-5050-30L-IP20-RGB	24VDC	4W/m	Max. 30m
24V-5050-30L-IP20	24VDC	6W/m	Max. 30m
24V-5050-60L-IP20-RGB	24VDC	7W/m	Max. 30m
24V-5050-60L-IP20-8W	24VDC	8W/m	Max. 30m
24V-5050-60L-IP20	24VDC	10W/m	Max. 30m
24V-5050-60L-IP20-11W	24VDC	11W/m	Max. 30m
24V-5050-60L-IP20-15W	24VDC	15W/m	Max. 30m
24V-5050-60L-IP20-24W	24VDC	24W/m	Max. 30m
24V-5050-72L-IP20	24VDC	12W/m	Max. 30m
24V-5050-96L-IP20	24VDC	15W/m	Max. 30m
24V-5050-120L-IP20	24VDC	20W/m	Max. 30m

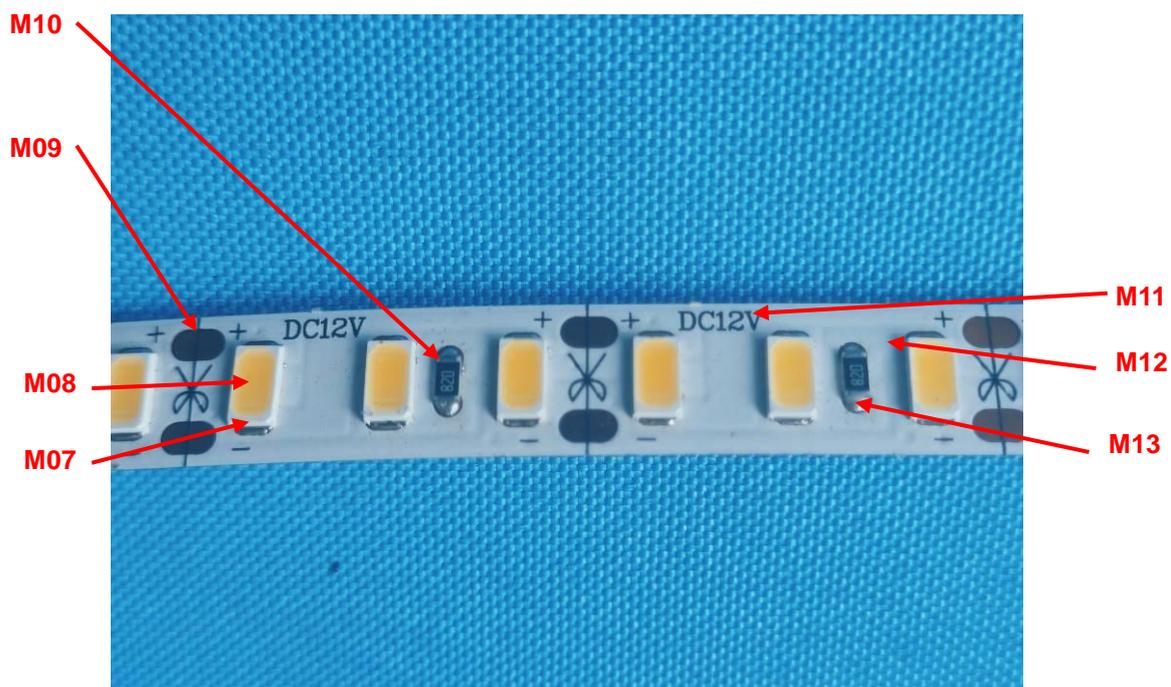
24V-4040-60L-IP20	24VDC	8W/m	Max. 30m
24V-5730-120L-IP20	24VDC	20W/m	Max. 30m
24V-2216-364L-IP20	24VDC	30W/m	Max. 30m
24V-2110-238L-IP20	24VDC	10W/m	Max. 30m
24V-2110-350L-IP20	24VDC	18W/m	Max. 30m
24V-2110-560L-IP20	24VDC	20W/m	Max. 30m
24V-2110-700L-IP20	24VDC	21W/m	Max. 30m
24V-2835-60L-IP65-3.2W	24VDC	3.2W/m	Max. 30m
24V-2835-60L-IP65	24VDC	4.2W/m	Max. 30m
24V-2835-60L-IP65-5W	24VDC	5W/m	Max. 30m
24V-2835-90L-IP65	24VDC	4W/m	Max. 30m
24V-2835-120L-IP65	24VDC	8W/m	Max. 30m
24V-2835-120L-IP65-10W	24VDC	10W/m	Max. 30m
24V-2835-120L-IP65-12W	24VDC	12W/m	Max. 30m
24V-2835-120L-IP65-14W	24VDC	14W/m	Max. 30m
24V-2835-126L-IP65	24VDC	8W/m	Max. 30m
24V-2835-128L-IP65	24VDC	9W/m	Max. 30m
24V-2835-168L-IP65	24VDC	12W/m	Max. 30m
24V-2835-238L-IP65	24VDC	18W/m	Max. 30m
24V-2835-180L-IP65	24VDC	14W/m	Max. 30m
24V-2835-192L-IP65	24VDC	16W/m	Max. 30m
24V-2835-204L-IP65	24VDC	17W/m	Max. 30m
24V-2835-240L-IP65-15W	24VDC	15W/m	Max. 30m
24V-2835-240L-IP65-18W	24VDC	18W/m	Max. 30m
24V-2835-240L-IP65	24VDC	20W/m	Max. 30m
24V-2835-360L-IP65	24VDC	28W/m	Max. 30m
24V-2835-378L-IP65	24VDC	35W/m	Max. 30m
24V-2835-504L-IP65	24VDC	45W/m	Max. 30m
24V-5050-30L-IP65-RGB	24VDC	4W/m	Max. 30m
24V-5050-30L-IP65	24VDC	6W/m	Max. 30m
24V-5050-60L-IP65-RGB	24VDC	7W/m	Max. 30m
24V-5050-60L-IP65-8W	24VDC	8W/m	Max. 30m
24V-5050-60L-IP65	24VDC	10W/m	Max. 30m
24V-5050-60L-IP65-11W	24VDC	11W/m	Max. 30m
24V-5050-60L-IP65-15W	24VDC	15W/m	Max. 30m
24V-5050-60L-IP65-24W	24VDC	24W/m	Max. 30m
24V-5050-72L-IP65	24VDC	12W/m	Max. 30m
24V-5050-96L-IP65	24VDC	15W/m	Max. 30m
24V-5050-120L-IP65	24VDC	20W/m	Max. 30m
24V-4040-60L-IP65	24VDC	8W/m	Max. 30m
24V-5730-120L-IP65	24VDC	20W/m	Max. 30m

24V-2216-364L-IP65	24VDC	30W/m	Max. 30m
24V-2110-238L-IP65	24VDC	10W/m	Max. 30m
24V-2110-350L-IP65	24VDC	18W/m	Max. 30m
24V-2110-560L-IP65	24VDC	20W/m	Max. 30m
24V-2110-700L-IP65	24VDC	21W/m	Max. 30m

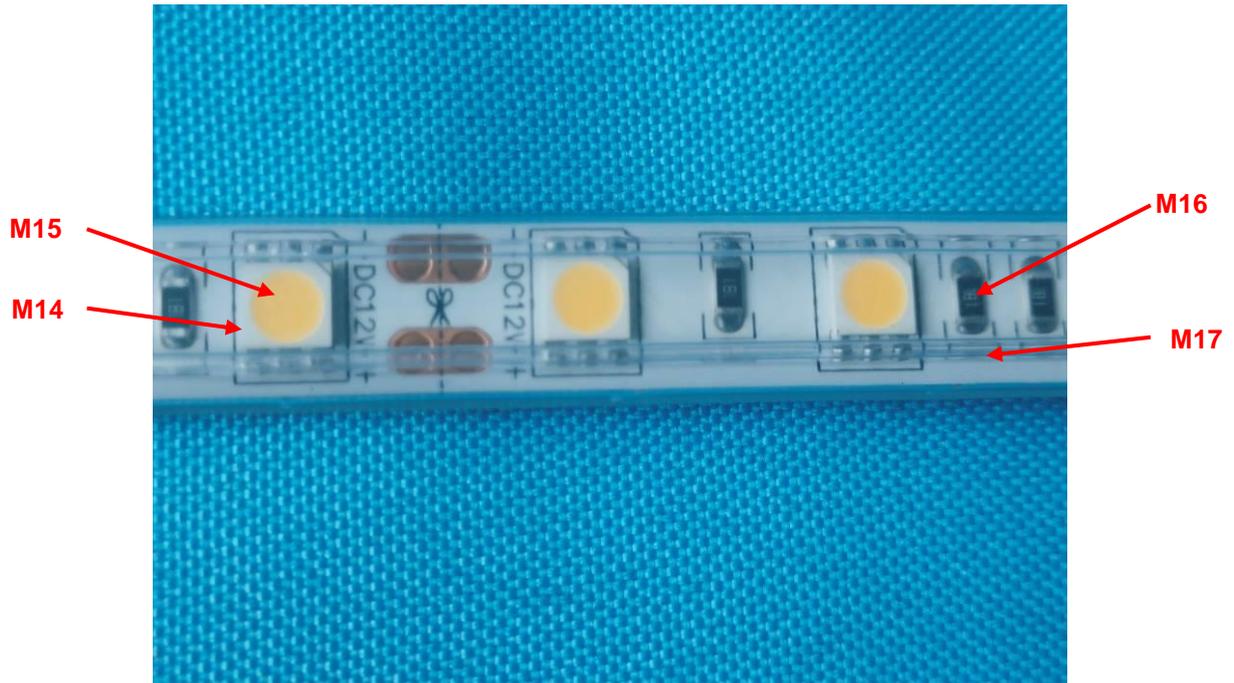
## Specimen Description:



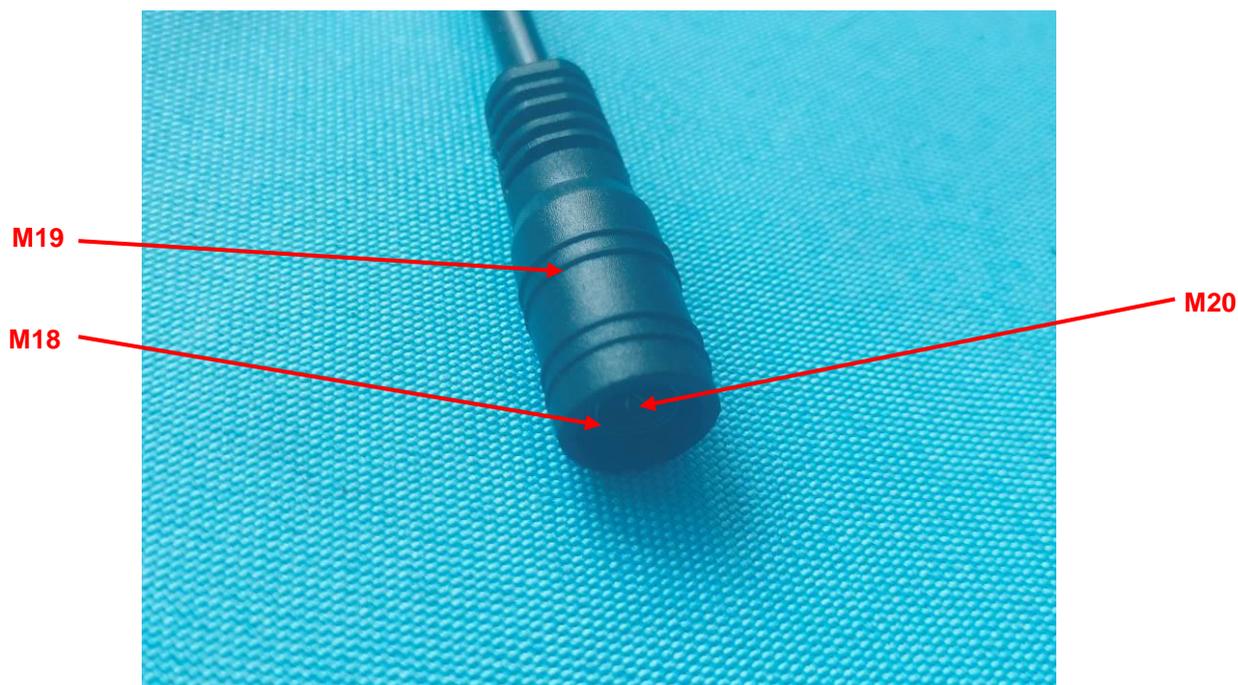
Material No.	Tested Material Description	Cd	Cr	Pb	Hg	Br
M01	heat-shrinkable tubing	n.d.	n.d.	862	n.d.	n.d.
M02	FPC	73	n.d.	n.d.	n.d.	n.d.
M03	Plastic	n.d.	n.d.	n.d.	n.d.	n.d.
M04	Red rubber	n.d.	481	784	n.d.	n.d.
M05	Black rubber	80	n.d.	n.d.	n.d.	n.d.
M06	Black rubber	n.d.	n.d.	n.d.	1010	n.d.



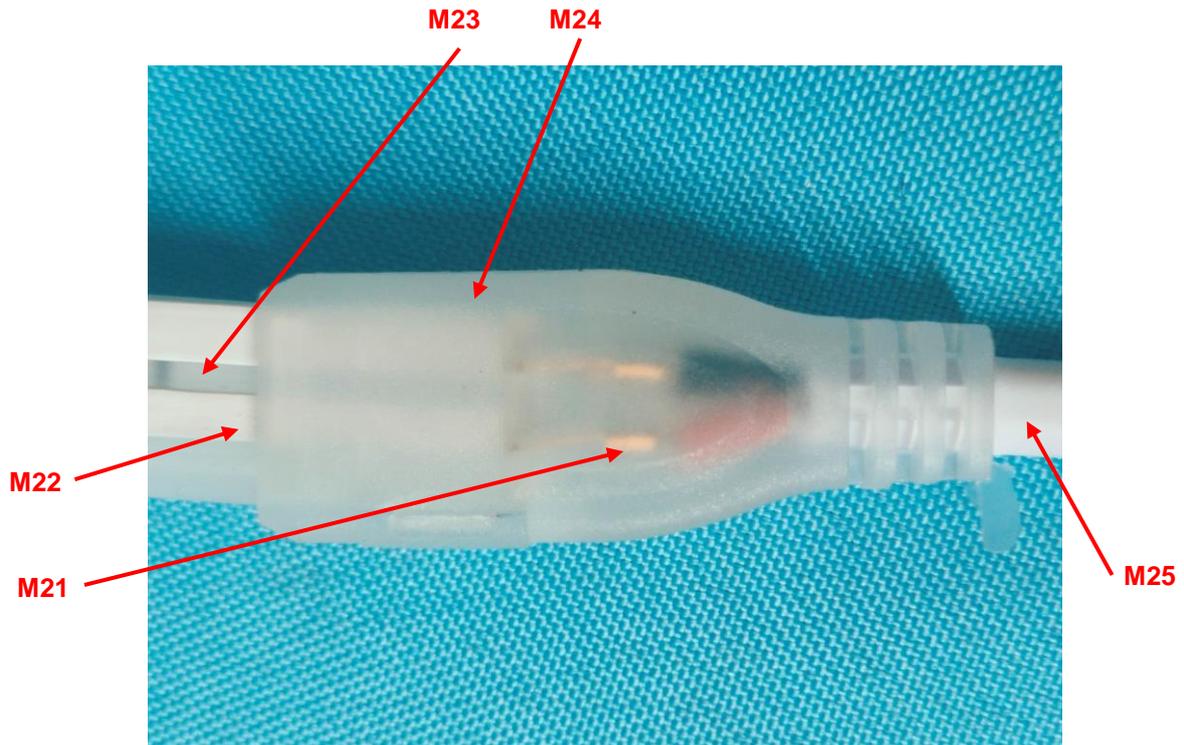
Material No.	Tested Material Description	Cd	Cr	Pb	Hg	Br
M07	Orange LED lights	n.d.	n.d.	n.d.	681	n.d.
M08	PC board	97	n.d.	n.d.	681	n.d.
M09	Tin	n.d.	462	n.d.	n.d.	n.a.
M10	Resistor	n.d.	n.d.	n.d.	844	n.d.
M11	Black paint	n.d.	n.d.	n.d.	n.d.	n.d.
M12	White paint	n.d.	n.d.	n.d.	n.d.	n.d.
M13	Tin	n.d.	n.d.	n.d.	n.d.	n.a.



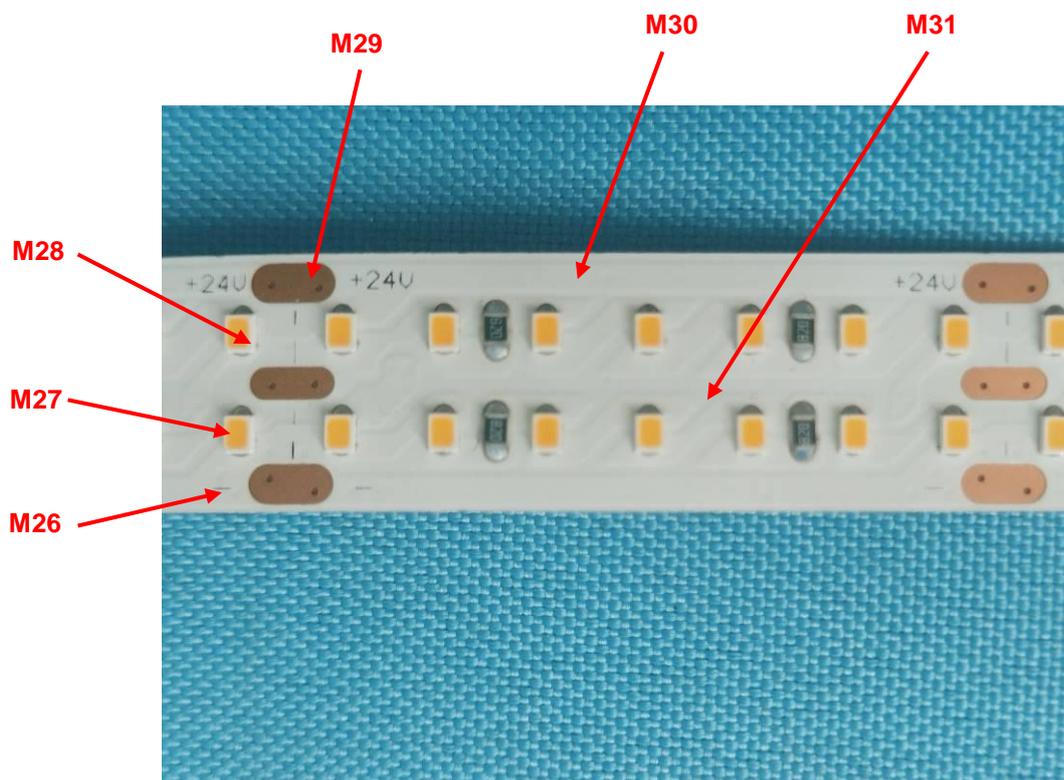
Material No.	Tested Material Description	Cd	Cr	Pb	Hg	Br
M14	Yellow LED lights	n.d.	n.d.	779	n.d.	n.d.
M15	PCB board	88	n.d.	n.d.	n.d.	n.d.
M16	Resistor	n.d.	337	n.d.	801	n.d.
M17	Silicone tube	n.d.	n.d.	779	n.d.	n.d.



Material No.	Tested Material Description	Cd	Cr	Pb	Hg	Br
M18	Metal	92	283	n.d.	n.d.	n.d.
M19	Black plastic	n.d.	n.d.	725	n.d.	n.a.
M20	Metal	n.d.	n.d.	n.d.	928	n.a.



Material No.	Tested Material Description	Cd	Cr	Pb	Hg	Br
M21	Metal	n.d.	207	n.d.	n.d.	n.a.
M22	White pain	n.d.	207	n.d.	n.d.	n.d.
M23	PVC	n.d.	n.d.	n.d.	n.d.	n.d.
M24	Transparent plastic	n.d.	n.d.	n.d.	n.d.	n.d.
M25	White plastic	95	n.d.	692	n.d.	n.d.



Material No.	Tested Material Description	Cd	Cr	Pb	Hg	Br
M26	Black paint	101	n.d.	n.d.	n.d.	n.d.
M27	Yellow LED lights	n.d.	n.d.	n.d.	1007	n.a.
M28	PCB board	n.d.	n.d.	766	n.d.	n.d.
M29	Tin	83	n.d.	n.d.	n.d.	n.a.
M30	FPC	n.d.	401	n.d.	n.d.	n.d.
M31	White paint	98	n.d.	n.d.	993	n.d.

Screening limits for different matrices:

Material	Concentration(mg/kg)				
	Cd	Cr	Pb	Hg	Br
<b>Metallic</b>	P≤60<X≤140<F	P≤640<X	P≤670<X≤1330<F	P≤660<X≤1340<F	NA
<b>Polymeric</b>	P≤60<X≤140<F	P≤640<X	P≤670<X≤1330<F	P≤660<X≤1340<F	P≤290<X
<b>Electronic Components</b>	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

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

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

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

<b>No.</b>	<b>Item</b>	<b>Unit</b>	<b>MDL</b>	<b>M22</b>	<b>M23</b>	<b>M24</b>	<b>M25</b>	<b>M26</b>	<b>M27</b>	<b>M28</b>	<b>Limits</b>
4.	polybrominated biphenyls (PBBs)	mg/kg	5	n.d.	n.d.	n.d.	n.d.	n.d.	n.a.	n.d.	1000
	Polybrominated diphenylethers (PBBEs/PBDEs)	mg/kg	5	n.d.	n.d.	n.d.	n.d.	n.d.	n.a.	n.d.	1000

<b>No.</b>	<b>Item</b>	<b>Unit</b>	<b>MDL</b>	<b>M29</b>	<b>M30</b>	<b>M31</b>	<b>=</b>	<b>=</b>	<b>=</b>	<b>=</b>	<b>Limits</b>
5.	polybrominated biphenyls (PBBs)	mg/kg	5	n.a.	n.d.	n.d.	=	=	=	=	1000
	Polybrominated diphenylethers (PBBEs/PBDEs)	mg/kg	5	n.a.	n.d.	n.d.	=	=	=	=	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

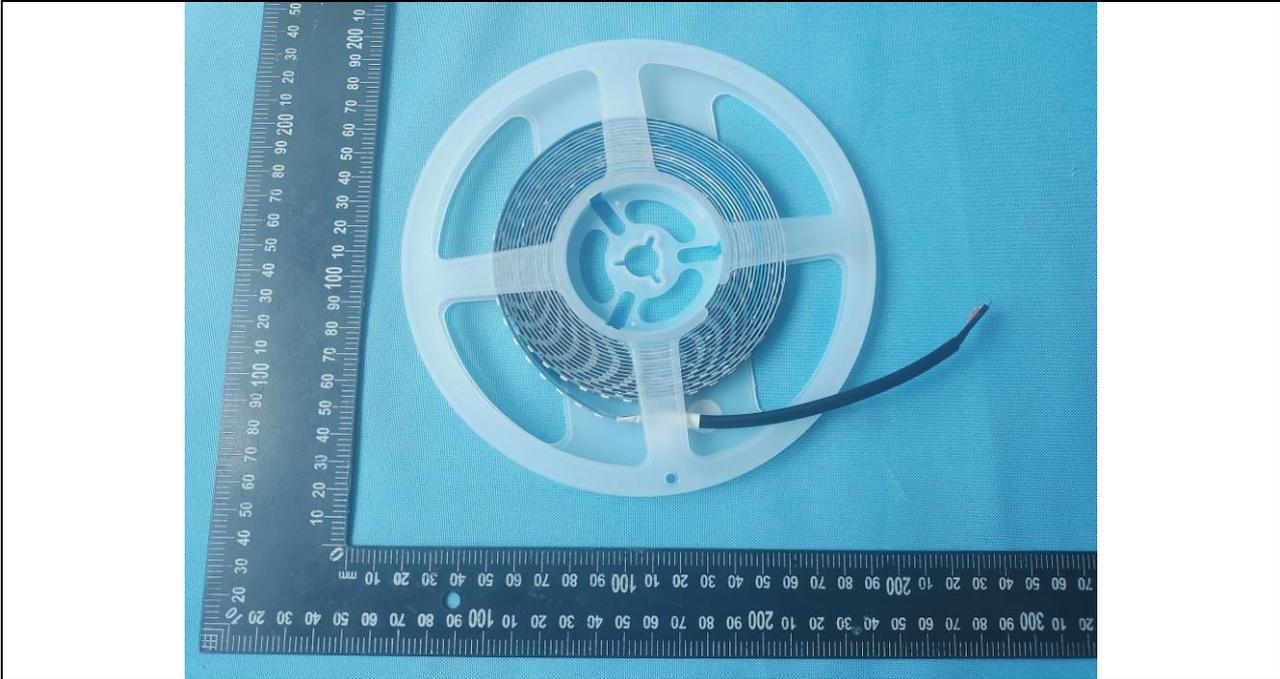
mg/kg=milligram per kilogram

MDL = Method Detection Limit

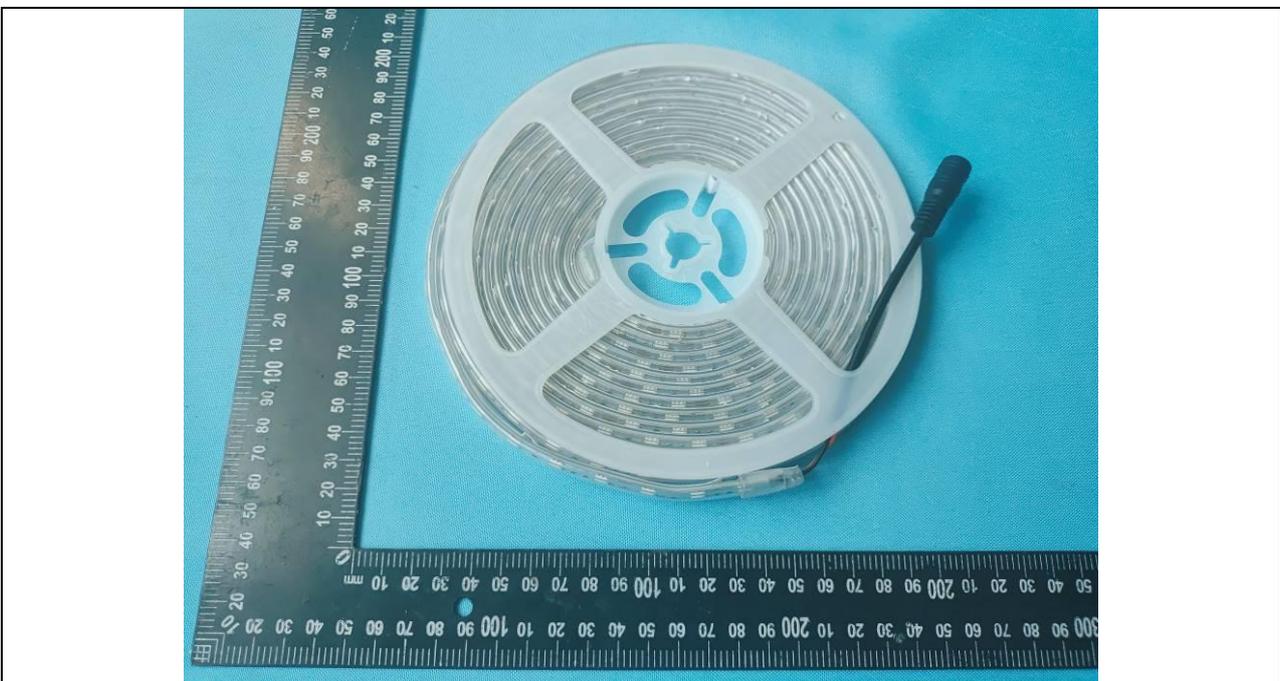
	BBP	DBP	DEHP	DIBP
<b>Maximum permissible Limit (%)</b>	0.1	0.1	0.1	0.1

Material No.	RL(%)			
	0.005			
	BBP	DBP	DEHP	DIBP
	0.005			
M01	n.d.	n.d.	n.d.	n.d.
M02	n.d.	n.d.	n.d.	n.d.
M03	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.
M10	n.d.	n.d.	n.d.	n.d.
M11	n.d.	n.d.	n.d.	n.d.
M12	n.d.	n.d.	n.d.	n.d.
M14	n.d.	n.d.	n.d.	n.d.
M15	n.d.	n.d.	n.d.	n.d.
M16	n.d.	n.d.	n.d.	n.d.
M17	n.d.	n.d.	n.d.	n.d.
M18	n.d.	n.d.	n.d.	n.d.
M22	n.d.	n.d.	n.d.	n.d.
M23	n.d.	n.d.	n.d.	n.d.
M24	n.d.	n.d.	n.d.	n.d.
M25	n.d.	n.d.	n.d.	n.d.
M26	n.d.	n.d.	n.d.	n.d.
M28	n.d.	n.d.	n.d.	n.d.
M30	n.d.	n.d.	n.d.	n.d.
M31	n.d.	n.d.	n.d.	n.d.

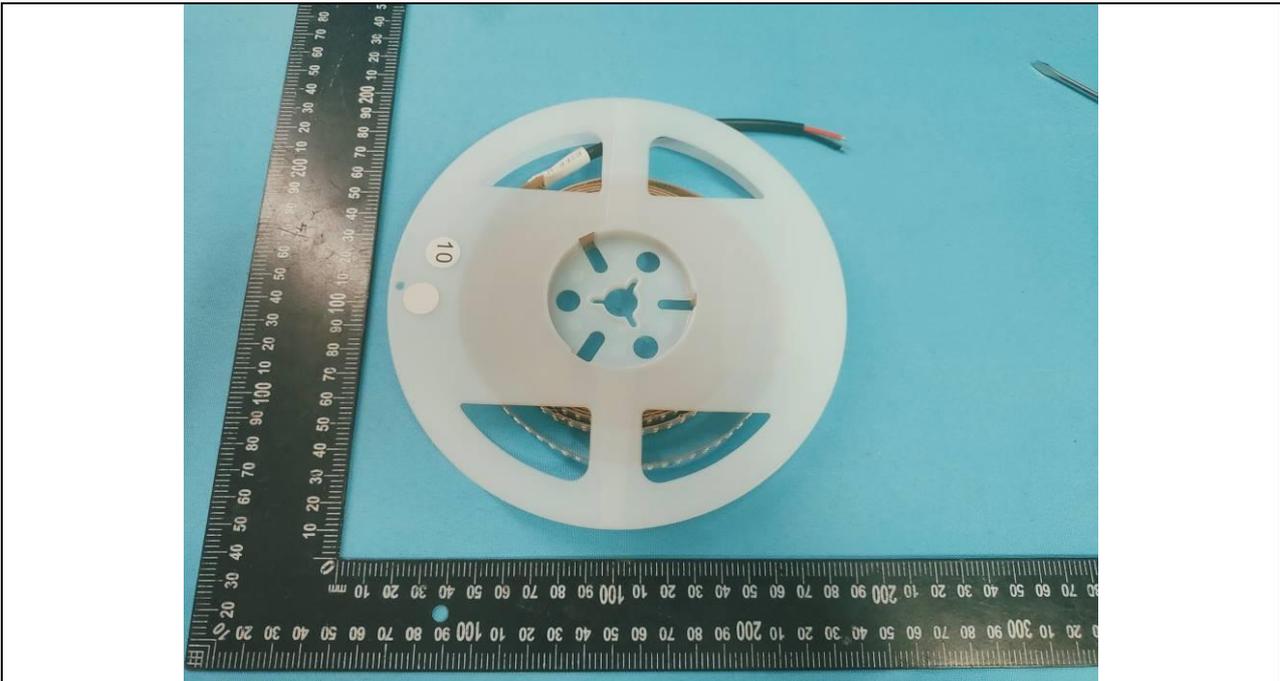
## PHOTOS OF THE SAMPLES:



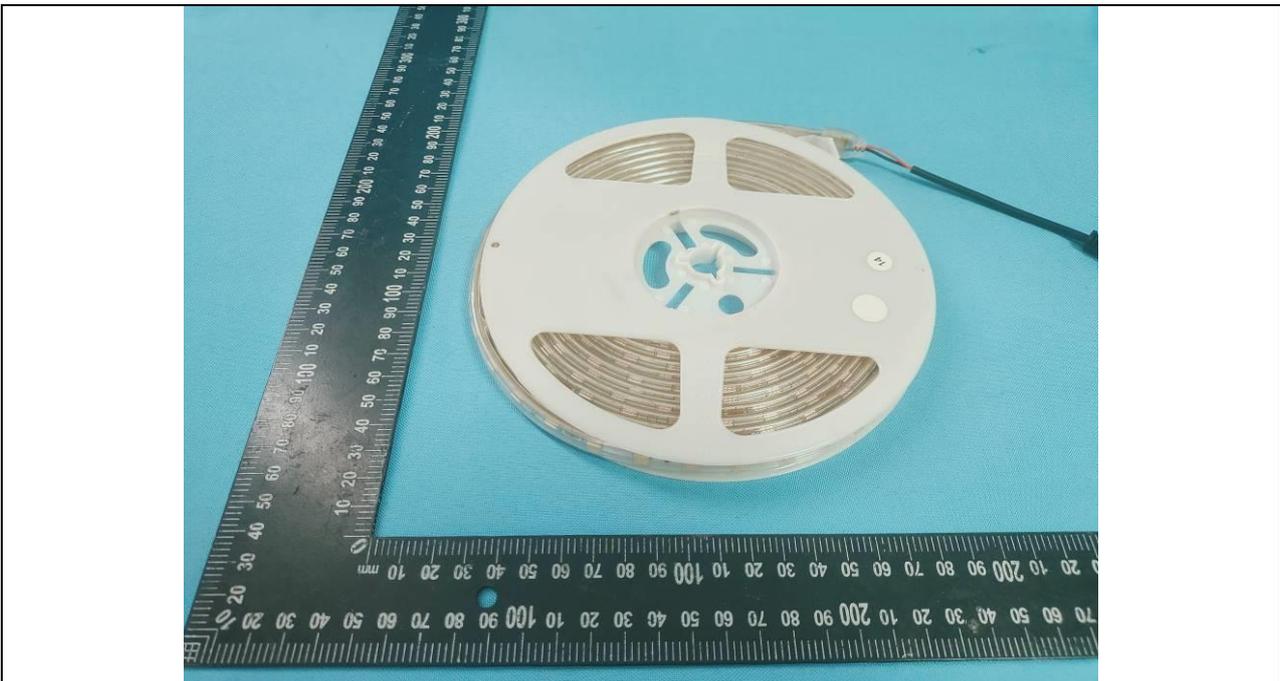
General view of 12V-5730-120L-IP20



General view of 12V-5050-60L-IP65



General view of 24V-2216-364L-IP20



General view of 24V-5050-60L-IP65

- END OF REPORT -