

Test Report

Report No.: SFW21200968

Report Issue Date: 2021/03/05

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NEW PRISMATIC ENTERPRISE CO., LTD.

4F., NO. 203-1, YUNG FENG RD., TU-CHENG DISTRICT, NEW TAIPEI CITY 236, TAIWAN

The following sample(s) was/were submitted and identified by/on behalf of the applicant as:

Sample name : Liquid crystal ink 6 color.
Material component : Organic pigment.
Color : Tawny.
Sample receiving date : 2021/02/26.
Testing period : 2021/02/26 - 2021/03/05.
Sample submitted by : NEW PRISMATIC ENTERPRISE CO., LTD.

Test requested : As specified by client, with reference to RoHS 2011/65/EU Annex II and amending directive (EU) 2015/863 to determine Cadmium, Lead, Mercury, Cr(VI), PBBs, PBDEs, DBP, BBP, DEHP and DIBP contents in the submitted sample(s).

--- Please see the next page for test result(s) ---

Ray Chang
Ray Chang Ph.D. / Manager - Tech
Signed for and on behalf of
SGS Taiwan Limited
Chemical Laboratory-Kaohsiung



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Component list / List of materials

No. Component description

1 Tawny liquid

Test result(s):

Test item(s)	Method	Unit	RL	Result No.1
Cadmium (Cd) (CAS No.7440-43-9)	With reference to IEC 62321-5:2013. Analysis was performed by ICP-OES.	mg/kg	2	n.d.
Lead (Pb) (CAS No.7439-92-1)	With reference to IEC 62321-5:2013. Analysis was performed by ICP-OES.	mg/kg	2	n.d.
Mercury (Hg) (CAS No.7439-97-6)	With reference to IEC 62321-4:2013+AMD1:2017. Analysis was performed by ICP-OES.	mg/kg	2	n.d.
Hexavalent Chromium Cr(VI) (CAS No.18540-29-9)	With reference to IEC 62321-7-2:2017. Analysis was performed by UV-VIS spectrometry.	mg/kg	8	n.d.
Polybrominated biphenyl (PBBs)				
Monobromobiphenyl	With reference to IEC 62321-6:2015. Analysis was performed by GC/MS.	mg/kg	5	n.d.
Dibromobiphenyl	With reference to IEC 62321-6:2015. Analysis was performed by GC/MS.	mg/kg	5	n.d.
Tribromobiphenyl	With reference to IEC 62321-6:2015. Analysis was performed by GC/MS.	mg/kg	5	n.d.
Tetrabromobiphenyl	With reference to IEC 62321-6:2015. Analysis was performed by GC/MS.	mg/kg	5	n.d.
Pentabromobiphenyl	With reference to IEC 62321-6:2015. Analysis was performed by GC/MS.	mg/kg	5	n.d.
Hexabromobiphenyl	With reference to IEC 62321-6:2015. Analysis was performed by GC/MS.	mg/kg	5	n.d.
Heptabromobiphenyl	With reference to IEC 62321-6:2015. Analysis was performed by GC/MS.	mg/kg	5	n.d.
Octabromobiphenyl	With reference to IEC 62321-6:2015. Analysis was performed by GC/MS.	mg/kg	5	n.d.
Nonabromobiphenyl	With reference to IEC 62321-6:2015. Analysis was performed by GC/MS.	mg/kg	5	n.d.
Decabromobiphenyl	With reference to IEC 62321-6:2015. Analysis was performed by GC/MS.	mg/kg	5	n.d.
Sum of PBBs	---	mg/kg	-	n.d.

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Test item(s)	Method	Unit	RL	Result No.1
Polybrominated biphenyl ethers (PBDEs)				
Monobromodiphenyl ether	With reference to IEC 62321-6:2015. Analysis was performed by GC/MS.	mg/kg	5	n.d.
Dibromodiphenyl ether	With reference to IEC 62321-6:2015. Analysis was performed by GC/MS.	mg/kg	5	n.d.
Tribromodiphenyl ether	With reference to IEC 62321-6:2015. Analysis was performed by GC/MS.	mg/kg	5	n.d.
Tetrabromodiphenyl ether	With reference to IEC 62321-6:2015. Analysis was performed by GC/MS.	mg/kg	5	n.d.
Pentabromodiphenyl ether	With reference to IEC 62321-6:2015. Analysis was performed by GC/MS.	mg/kg	5	n.d.
Hexabromodiphenyl ether	With reference to IEC 62321-6:2015. Analysis was performed by GC/MS.	mg/kg	5	n.d.
Heptabromodiphenyl ether	With reference to IEC 62321-6:2015. Analysis was performed by GC/MS.	mg/kg	5	n.d.
Octabromodiphenyl ether	With reference to IEC 62321-6:2015. Analysis was performed by GC/MS.	mg/kg	5	n.d.
Nonabromodiphenyl ether	With reference to IEC 62321-6:2015. Analysis was performed by GC/MS.	mg/kg	5	n.d.
Decabromodiphenyl ether	With reference to IEC 62321-6:2015. Analysis was performed by GC/MS.	mg/kg	5	n.d.
Sum of PBDEs	---	mg/kg	-	n.d.
Phthalates				
Diisobutyl phthalate (DIBP) (CAS No.84-69-5)	With reference to IEC 62321-8:2017. Analysis was performed by GC/MS.	mg/kg	50	n.d.
Dibutyl phthalate (DBP) (CAS No.84-74-2)	With reference to IEC 62321-8:2017. Analysis was performed by GC/MS.	mg/kg	50	n.d.
Butyl benzyl phthalate (BBP) (CAS No.85-68-7)	With reference to IEC 62321-8:2017. Analysis was performed by GC/MS.	mg/kg	50	n.d.
Di-(2-ethylhexyl) phthalate (DEHP) (CAS No.117-81-7)	With reference to IEC 62321-8:2017. Analysis was performed by GC/MS.	mg/kg	50	n.d.

Note:

- ppm = mg/kg ; 0.1% = 1000ppm
- RL = Reporting Limit
- n.d. = Not Detected

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* The tested sample / part is marked by an arrow if it's shown on the photo. *

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** End of report **

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