

## TEST REPORT

NEW PRISMATIC ENTERPRISE CO., LTD.  
NO. 4, ALLEY 27, LANE 195, YUNG FENG RD., TU-CHENG DISTRICT,  
NEW TAIPEI CITY 236, TAIWAN

REPORT NO.KE/2019/11130

DATE: 2019/01/16

PAGE: 1 OF 5

THE FOLLOWING SAMPLE(S) WAS/WERE SUBMITTED AND IDENTIFIED BY/ON BEHALF OF THE CLIENT AS :

**SAMPLE DESCRIPTION** : THERMOCHROMIC MC PIGMENT 22C S.BLUE-BPAFREE.  
**COLOR** : S.BLUE.  
**STYLE/ITEM NO.** : TM-PDF-22-3132.  
**MATERIAL COMPOSITION** : PIGMENT.  
**SAMPLE RECEIVED** : 2019/01/10.  
**TESTING PERIOD** : 2019/01/10 TO 2019/01/16.  
**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, DIBP CONTENTS IN THE SUBMITTED SAMPLE(S).

**TEST RESULT(S)** : PLEASE REFER TO NEXT PAGE(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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# TEST REPORT

REPORT NO.KE/2019/11130

DATE: 2019/01/16

PAGE: 2 OF 5

## TEST RESULT(S) :

TEST ITEM(S)	UNIT	METHOD	MDL	SPEC	RESULT	CONCL.
CADMIUM (Cd)	ppm	WITH REFERENCE TO IEC 62321-5:2013 AND PERFORMED BY ICP-OES.	2	<100	n.d.	PASS
LEAD (Pb)	ppm	WITH REFERENCE TO IEC 62321-5:2013 AND PERFORMED BY ICP-OES.	2	<1000	n.d.	PASS
MERCURY (Hg)	ppm	WITH REFERENCE TO IEC 62321-4:2013 AND PERFORMED BY ICP-OES.	2	<1000	n.d.	PASS
CHROMIUM VI	ppm	WITH REFERENCE TO IEC 62321-7-2:2017 AND PERFORMED BY UV-VIS.	8	<1000	n.d.	PASS
<b>POLYBROMINATED BIPHENYL (PBBs)</b>	---	---	---	---	---	---
MONOBROMOBIPHENYL	ppm	WITH REFERENCE TO IEC 62321-6: 2015 AND PERFORMED BY GC/MS.	5	---	n.d.	---
DIBROMOBIPHENYL	ppm	WITH REFERENCE TO IEC 62321-6: 2015 AND PERFORMED BY GC/MS.	5	---	n.d.	---
TRIBROMOBIPHENYL	ppm	WITH REFERENCE TO IEC 62321-6: 2015 AND PERFORMED BY GC/MS.	5	---	n.d.	---
TETRABROMOBIPHENYL	ppm	WITH REFERENCE TO IEC 62321-6: 2015 AND PERFORMED BY GC/MS.	5	---	n.d.	---
PENTABROMOBIPHENYL	ppm	WITH REFERENCE TO IEC 62321-6: 2015 AND PERFORMED BY GC/MS.	5	---	n.d.	---
HEXABROMOBIPHENYL	ppm	WITH REFERENCE TO IEC 62321-6: 2015 AND PERFORMED BY GC/MS.	5	---	n.d.	---

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# TEST REPORT

REPORT NO.KE/2019/11130

DATE: 2019/01/16

PAGE: 3 OF 5

TEST ITEM(S)	UNIT	METHOD	MDL	SPEC	RESULT	CONCL.
HEPTABROMOBIPHENYL	ppm	WITH REFERENCE TO IEC 62321-6: 2015 AND PERFORMED BY GC/MS.	5	---	n.d.	---
OCTABROMOBIPHENYL	ppm	WITH REFERENCE TO IEC 62321-6: 2015 AND PERFORMED BY GC/MS.	5	---	n.d.	---
NONABROMOBIPHENYL	ppm	WITH REFERENCE TO IEC 62321-6: 2015 AND PERFORMED BY GC/MS.	5	---	n.d.	---
DECABROMOBIPHENYL	ppm	WITH REFERENCE TO IEC 62321-6: 2015 AND PERFORMED BY GC/MS.	5	---	n.d.	---
<b>SUM OF PBBs</b>	ppm	---	---	<1000	n.d.	PASS
<b>POLYBROMINTED BIPHENYL ETHERS (PBDEs)</b>	---	---	---	---	---	---
MONOBROMODIPHENYL ETHER	ppm	WITH REFERENCE TO IEC 62321-6: 2015 AND PERFORMED BY GC/MS.	5	---	n.d.	---
DIBROMODIPHENYL ETHER	ppm	WITH REFERENCE TO IEC 62321-6: 2015 AND PERFORMED BY GC/MS.	5	---	n.d.	---
TRIBROMODIPHENYL ETHER	ppm	WITH REFERENCE TO IEC 62321-6: 2015 AND PERFORMED BY GC/MS.	5	---	n.d.	---
TETRABROMODIPHENYL ETHER	ppm	WITH REFERENCE TO IEC 62321-6: 2015 AND PERFORMED BY GC/MS.	5	---	n.d.	---
PENTABROMODIPHENYL ETHER	ppm	WITH REFERENCE TO IEC 62321-6: 2015 AND PERFORMED BY GC/MS.	5	---	n.d.	---
HEXABROMODIPHENYL ETHER	ppm	WITH REFERENCE TO IEC 62321-6: 2015 AND PERFORMED BY GC/MS.	5	---	n.d.	---
HEPTABROMODIPHENYL ETHER	ppm	WITH REFERENCE TO IEC 62321-6: 2015 AND PERFORMED BY GC/MS.	5	---	n.d.	---

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# TEST REPORT

REPORT NO.KE/2019/11130

DATE: 2019/01/16

PAGE: 4 OF 5

TEST ITEM(S)	UNIT	METHOD	MDL	SPEC	RESULT	CONCL.
OCTABROMODIPHENYL ETHER	ppm	WITH REFERENCE TO IEC 62321-6: 2015 AND PERFORMED BY GC/MS.	5	---	n.d.	---
NONABROMODIPHENYL ETHER	ppm	WITH REFERENCE TO IEC 62321-6: 2015 AND PERFORMED BY GC/MS.	5	---	n.d.	---
DECABROMODIPHENYL ETHER	ppm	WITH REFERENCE TO IEC 62321-6: 2015 AND PERFORMED BY GC/MS.	5	---	n.d.	---
<b>SUM OF PBDEs</b>	ppm	---	---	<1000	n.d.	PASS
<b>PHthalATES</b>	---	---	---	---	---	---
DI-ISOBUTYL PHTHALATE (DIBP) (CAS NO.84-69-5)	ppm	WITH REFERENCE TO IEC 62321-8:2017. ANALYSIS WAS PERFORMED BY GC/MS.	50	<1000	n.d.	PASS
DIBUTYL PHTHALATE (DBP) (CAS NO.84-74-2)	ppm	WITH REFERENCE TO IEC 62321-8:2017. ANALYSIS WAS PERFORMED BY GC/MS.	50	<1000	n.d.	PASS
BUTYL BENZYL PHTHALATE (BBP) (CAS NO.85-68-7)	ppm	WITH REFERENCE TO IEC 62321-8:2017. ANALYSIS WAS PERFORMED BY GC/MS.	50	<1000	n.d.	PASS
BIS(2-ETHYLHEXYL) PHTHALATE (DEHP) (CAS NO.117-81-7)	ppm	WITH REFERENCE TO IEC 62321-8:2017. ANALYSIS WAS PERFORMED BY GC/MS.	50	<1000	n.d.	PASS

NOTE 1 : mg/kg=ppm

NOTE 2 : MDL = METHOD DETECTION LIMIT.

NOTE 3 : n.d. = NOT DETECTED.

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## TEST REPORT

REPORT NO.KE/2019/11130

DATE: 2019/01/16

PAGE: 5 OF 5

### SAMPLE PHOTO

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

## KE/2019/11130



\*\* END OF REPORT \*\*

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