

Test Report

No. CANML2302643903

Date: 06 Mar 2023

Page 1 of 10

Client Name : SHANGHAI PEONY PRINTING INK CO.,LTD

Client Address : NO. 560 XUJIAHUI ROAD, HUANGPU DISTRICT, SHANGHAI, CHINA

Sample Name : Offset printing ink products

Client Ref. Info. : Please See Remark

Manufacturer : Anhui Huayi Rixin Technology Co.,Ltd

The above sample(s) and information were provided by the client.

SGS Job No. : GZPC2302000758 - GZ

Date of Sample Received : 28 Feb 2023

Testing Period : 28 Feb 2023 - 06 Mar 2023

Test Requested : Selected test(s) as requested by the client.

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

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

Result Summary :

Test Requested	Conclusion
EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU- Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBBs), Polybrominated diphenyl ethers (PBDEs), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP)	PASS
EN 71-3:2019+A1:2021 - Migration of Certain Elements (Category III: Scrapped-off toy material)	See Results
GB 6675.1-2014 Migration of Certain Elements	See Results
Phthalate	See Results

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Allie Chen

Allie Chen

Approved Signatory

scan to see the report



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Test Report

No. CANML2302643903

Date: 06 Mar 2023

Page 2 of 10

Test Result(s) :

Test Part Description :

Specimen No.	SGS Sample ID	Description
SN1	CAN23-026439.001	Black paste

Remarks :

- (1) 1 mg/kg = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected (< MDL)
- (4) "-" = Not Regulated

EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU- Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBBs), Polybrominated diphenyl ethers (PBDEs), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP)

Test Method : With reference to IEC 62321-4:2013+A1:2017, IEC 62321-5:2013, IEC 62321-7-2:2017 , IEC 62321-6:2015 and IEC 62321-8:2017, analyzed by ICP-OES , UV-Vis and GC-MS .

Test Item(s)	Limit	Unit	MDL	001
Cadmium (Cd)	100	mg/kg	2	ND
Lead (Pb)	1000	mg/kg	2	ND
Mercury (Hg)	1000	mg/kg	2	ND
Hexavalent Chromium (CrVI)	1000	mg/kg	8	ND
Sum of PBBs	1000	mg/kg	-	ND
Monobromobiphenyl	-	mg/kg	5	ND
Dibromobiphenyl	-	mg/kg	5	ND
Tribromobiphenyl	-	mg/kg	5	ND
Tetrabromobiphenyl	-	mg/kg	5	ND
Pentabromobiphenyl	-	mg/kg	5	ND
Hexabromobiphenyl	-	mg/kg	5	ND
Heptabromobiphenyl	-	mg/kg	5	ND
Octabromobiphenyl	-	mg/kg	5	ND
Nonabromobiphenyl	-	mg/kg	5	ND
Decabromobiphenyl	-	mg/kg	5	ND
Sum of PBDEs	1000	mg/kg	-	ND
Monobromodiphenyl ether	-	mg/kg	5	ND
Dibromodiphenyl ether	-	mg/kg	5	ND
Tribromodiphenyl ether	-	mg/kg	5	ND
Tetrabromodiphenyl ether	-	mg/kg	5	ND



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Test Report

No. CANML2302643903

Date: 06 Mar 2023

Page 3 of 10

Test Item(s)	Limit	Unit	MDL	001
Pentabromodiphenyl ether	-	mg/kg	5	ND
Hexabromodiphenyl ether	-	mg/kg	5	ND
Heptabromodiphenyl ether	-	mg/kg	5	ND
Octabromodiphenyl ether	-	mg/kg	5	ND
Nonabromodiphenyl ether	-	mg/kg	5	ND
Decabromodiphenyl ether	-	mg/kg	5	ND
Dibutyl phthalate (DBP)	1000	mg/kg	50	ND
Butyl benzyl phthalate (BBP)	1000	mg/kg	50	ND
Bis (2-ethylhexyl) phthalate (DEHP)	1000	mg/kg	50	ND
Diisobutyl Phthalates (DIBP)	1000	mg/kg	50	ND

Notes :

- (1) The maximum permissible limit is quoted from RoHS Directive (EU) 2015/863.
- (2) IEC 62321 series is equivalent to EN 62321 series
- (3) The restriction of DEHP, BBP, DBP and DIBP shall apply to medical devices, including in vitro medical devices, and monitoring and control instruments, including industrial monitoring and control instruments, from 22 July 2021.

EN 71-3:2019+A1:2021 - Migration of Certain Elements (Category III: Scrapped-off toy material)

Test Method : With reference to EN 71-3:2019+A1:2021, analysis was performed by ICP-OES.
Chromium (VI) was analyzed by IC-UV/LC-ICP-MS.

Test Item(s)	Limit	Unit	MDL	001
Soluble Aluminum (Al)	28130	mg/kg	50	ND
Soluble Arsenic (As)	47	mg/kg	10	ND
Soluble Boron (B)	15000	mg/kg	50	ND
Soluble Barium (Ba)	18750	mg/kg	50	ND
Soluble Cadmium (Cd)	17	mg/kg	5	ND
Soluble Cobalt (Co)	130	mg/kg	10	ND
Soluble Chromium (III) (Cr III)	460	mg/kg	5	ND
Soluble Copper (Cu)	7700	mg/kg	50	ND
Soluble Mercury (Hg)	94	mg/kg	10	ND
Soluble Manganese (Mn)	15000	mg/kg	50	ND
Soluble Nickel (Ni)	930	mg/kg	10	ND
Soluble Lead (Pb)	23	mg/kg	10	ND
Soluble Antimony (Sb)	560	mg/kg	10	ND
Soluble Selenium (Se)	460	mg/kg	10	ND
Soluble Zinc (Zn)	46000	mg/kg	50	ND
Soluble Strontium (Sr)	56000	mg/kg	50	ND



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No. CANML2302643903

Date: 06 Mar 2023

Page 4 of 10

<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>001</u>
Soluble Tin (Sn)	180000	mg/kg	4.9	ND
Soluble Organic Tin	12	mg/kg	-	ND
Soluble Chromium (VI) (Cr VI)	0.053	mg/kg	0.020	ND

Notes :

1. According to Chapter of 10.1.2 of EN 71-3:2019+A1:2021, Chromium (III) is calculated by the following formula: Soluble Chromium (III)= Soluble Total Chromium- Soluble Chromium (VI)
2. Confirmation test of soluble organic tin is not required in case of soluble tin, after conversion, does not exceed the soluble organic tin requirement as specified in EN 71-3:2019+A1:2021.

GB 6675.1-2014 Migration of Certain Elements

Test Method : With reference to GB 6675.4-2014, analysis was performed by ICP-OES

<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>001</u>
Soluble Arsenic (As)	25.0	mg/kg	2.5	ND
Soluble Barium (Ba)	1000	mg/kg	10	ND
Soluble Cadmium (Cd)	75	mg/kg	5	ND
Soluble Chromium (Cr)	60	mg/kg	5	ND
Soluble Mercury (Hg)	60	mg/kg	5	ND
Soluble Lead (Pb)	90	mg/kg	5	ND
Soluble Antimony (Sb)	60	mg/kg	5	ND
Soluble Selenium (Se)	500	mg/kg	10	ND

Notes :

- (1) Results shown are of the adjusted analytical results.

Phthalate

Test Method : With reference to EN14372: 2004. Analysis was performed by GC-MS.

<u>Test Item(s)</u>	<u>CAS NO.</u>	<u>Unit</u>	<u>MDL</u>	<u>001</u>
Dibutyl Phthalate (DBP)	84-74-2	%(w/w)	0.003	ND
Benzylbutyl Phthalate (BBP)	85-68-7	%(w/w)	0.003	ND
Bis(2-ethylhexyl) Phthalate (DEHP)	117-81-7	%(w/w)	0.003	ND
Diisononyl Phthalate (DINP)	28553-12-0 / 68515-48-0	%(w/w)	0.010	ND
Diisodecyl Phthalate (DIDP)	26761-40-0 / 68515-49-1	%(w/w)	0.010	ND
Diisobutyl Phthalate (DIBP)	84-69-5	%(w/w)	0.003	ND



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Test Report

No. CANML2302643903

Date: 06 Mar 2023

Page 5 of 10

Notes :

(1) DBP, BBP, DEHP, DIBP Reference information: Entry 51 of Regulation (EU) 2018/2005 amending Annex XVII of REACH Regulation (EC) No 1907/2006:

i) Shall not be used as substances or in mixtures, individually or in any combination of DBP, BBP, DEHP & DIBP, in concentrations equal to or greater than 0.1 % by weight of the plasticised material, in toys and childcare articles.

ii) Shall not be placed on the market in toys or childcare articles, individually or in any combination of DBP, BBP, DEHP, in concentrations equal to or greater than 0.1 % by weight of the plasticised material. In addition, DIBP shall not be placed on the market after 7 July 2020 in toys or childcare articles, individually or in any combination of DBP, BBP, DEHP & DIBP, in concentrations equal to or greater than 0.1 % by weight of the plasticised material.

iii) shall not be placed on the market after 7 July 2020 in articles, individually or in any combination of DBP, BBP, DEHP & DIBP, in concentrations equal to or greater than 0.1 % by weight of the plasticised material in the articles.

Please refer to Regulation (EU) 2018/2005 to get more detail information

(2) DINP, DNOP, DIDP Reference information: Entry 52 of Regulation (EU) 2015/326 amending Annex XVII of REACH Regulation (EC) No 1907/2006.

i) Shall not be used as substances or in mixtures, in concentrations greater than 0.1 % by weight of the plasticised material, in toys and childcare articles which can be placed in the mouth by children.

ii) Such toys and childcare articles containing these phthalates in a concentration greater than 0.1 % by weight of the plasticised material shall not be placed on the market.

Please refer to Regulation (EU) 2015/326 to get more detail information

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule ($w=0$) stated in ILAC-G8:09/2019.



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Test Report

No. CANML2302643903

Date: 06 Mar 2023

Page 6 of 10

Remark:

05-01/03/04/06/08/09/14/15/18/19/20/24/24A/25/27/28/29/30/31/32/36/37/38/39/40/52/53/60/90/

92/93/94/95/03S/04S/06S/27S/37S/40S/60S/93S

10-01/03/04/06/07/09/14/15/16/17/20/21/24/27/29/30/31/32/33/36/37/38/39/40/

52/53/66/71/80

KELE-03/04/06/07/09/14/15/17/21/24/27/29/30/32/36/37/39/40/52/53/55/66/71/

03S/53S/14Z/24Z/32Z/53Z

KL-14/23/24/32/52/0300/0600/1400/1700/1700L/2400/2401/2402/2700/3200/

3700/4000/5200/6000/9400/1400N/2400N/2401N/2402N/3200N/5200N

KS-03/06/14/24/32/36/37/40/53/60

NP05-03/06/14/24/27/32/37/40/52/60

AF-03/06/14/24/32/40/52/90/93

05N-1400/1500/2400/2600/2600A/3200/5200/1422/2322/2422/2622/3222/5222

/1466/2366/2466/2666/3266/5266/1466B/2366B/2466B/2666B/3266B/5266B/

5266BY /1400N/2400N/2600N/3200N/5200N

FLPT1000/1100/1300/1400/1500/1600/2000/2700/3200/3700/3900/5200/6000/7000/9000

FTR-03/06/14/15/24/26/70

PRS-

1400/2300/2400/2600/3200/5200/0366/1466/2366/2466/2666/3266/5266/1466N/2366N/2466N/

2666N/3266N/5266N/1466R/2666R/3266R/5266R/1466Z/2366Z/2666Z/3266Z/5266Z/14G/

26G/32G/

52G/14GE/26GE/26GEQ/32GE/

52GE/1477/2377/3277/5277/14MO/26MO/32MO/52MO

UNE-1400/2400/2600/3200/5200/14N/26N/32N/52N/14R/26R/32R/52R

UNS-14/24/26/28/32/52

UHG-1400/2400/3200/5200

UN-UBK



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Test Report

No. CANML2302643903

Date: 06 Mar 2023

Page 7 of 10

65-03/06/07/07B/09/14/16/18/21/23/26/29/30/31/32/34/38/42/42A/42B/50/51/60/92/93/600189

JL-14/14B/14Y/24/26/28/32/52

JXL-801/802/803/804/805/806/807

PSE-1400/2600/3200/5200/1422/2622/3222/5222/1400EP/2400EP/2600EP/
3200EP/5200EP

PPO-

0300/0600/1400/1500/1800/2000/2400/2600/2900/3200/3600/3700/3900/4000/5200/6000/9300/

0300ET/0600ET/1400ET/1500ET/1800ET/2000ET/

2400ET/2600ET/2900ET/3200ET/3600ET/3700ET/3900ET/4000ET/5200ET/

6000ET/9300ET

PUV-0300/060/1400/1500/2600/2900/3200/3800/3900/4000/5200/5201/6000/

7000/9300/0300(E)/0600(E)/1400(E)/2600(E)/3200(E)/5200(E)/4000(ET)/

1400LED/2600LED/3200LED/3870LED/4000LED/5200LED

PWO-03/14/24/29/32/58/59/59A/59B/60/1403/1403B/1403F/1403(ZJ)/2403/

2403A/2403(ZJ)/3203/3203A/3203(ZJ)/5202/5202B/5202F/5202H/5203/5802/

5901/5902

90-82/83/90/91/92

94-90 JB90-90 JB94-90

1000 /3000/ 3333 /4000 /5000

FT-92

PMD UV-14/26/32/52/40A/40B

No.1printing varnish

6#printing varnish /19/59/402/71/79/52-94/2527/62#/30-90/PPO-80

/PPO-94/PPO-402



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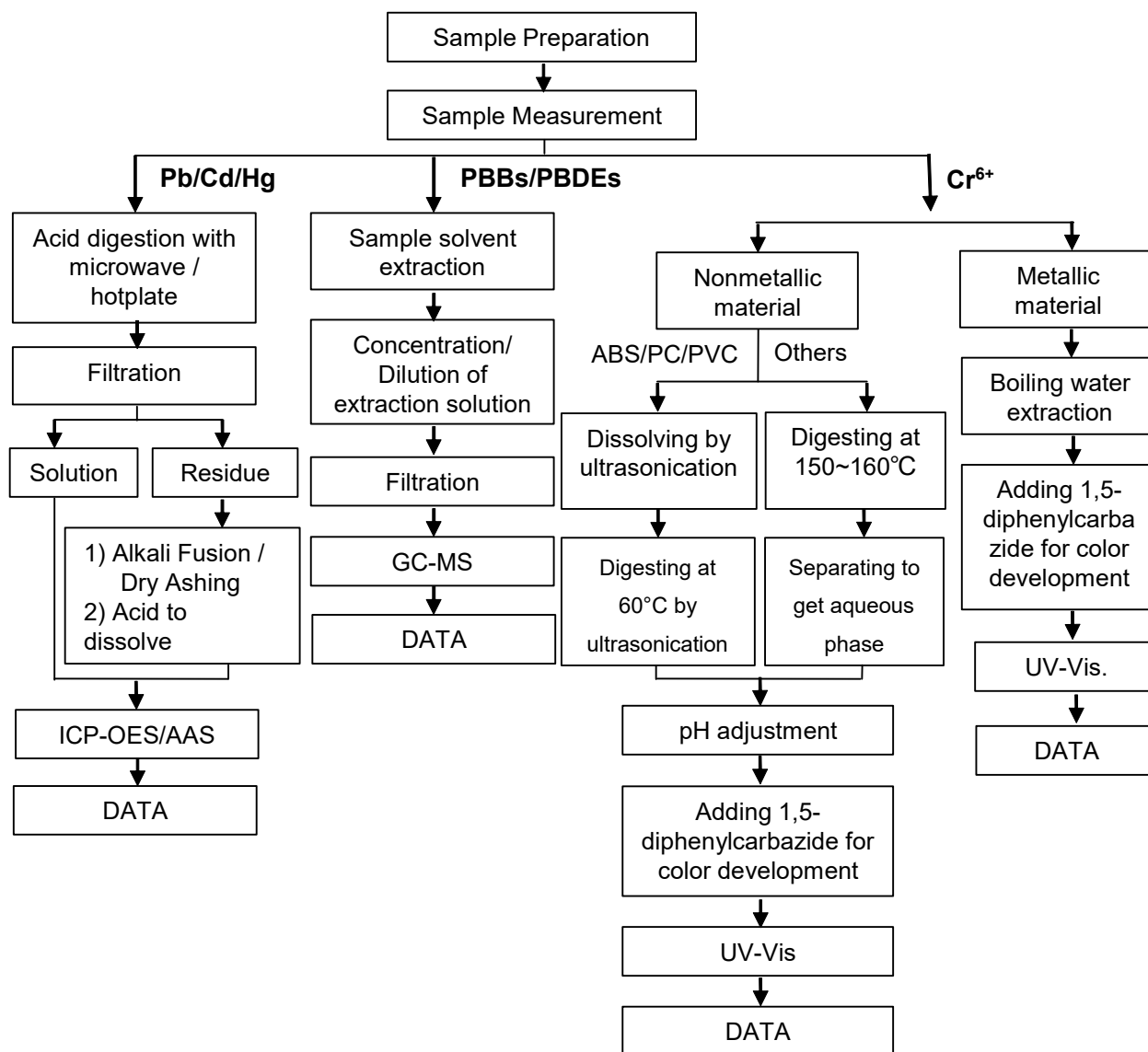
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Pb/Cd/Hg/Cr⁶⁺/PBBs/PBDEs Testing Flow Chart

- 1) These samples were dissolved totally by pre-conditioning method according to below flow chart.
(Cr⁶⁺ and PBBs/PBDEs test method excluded).



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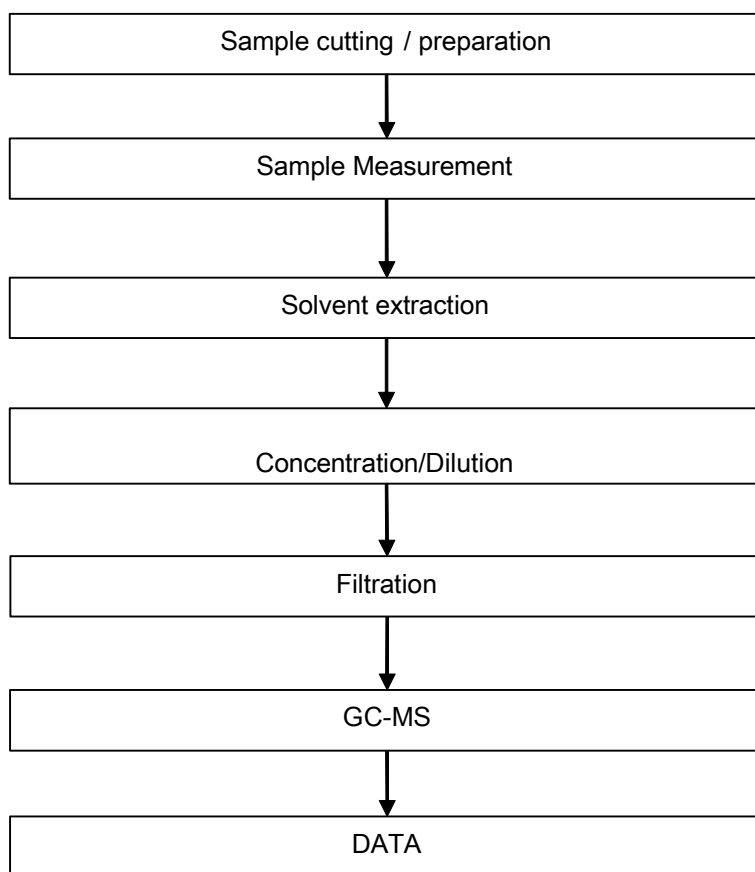
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Page 10 of 10

Sample photo:



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国际互认
检测
TESTING
CNAS L0167

Test Report

No. CANML2302643902

Date: 06 Mar 2023

Page 1 of 5

Client Name : SHANGHAI PEONY PRINTING INK CO.,LTD

Client Address : NO. 560 XUJIAHUI ROAD, HUANGPU DISTRICT, SHANGHAI, CHINA

Sample Name : Offset printing ink products
Client Ref. Info. : Please See Remark
Manufacturer : Anhui Huayi Rixin Technology Co.,Ltd
Product Category : Sheet fed Offset printing Ink
The above sample(s) and information were provided by the client.

SGS Job No. : GZPC2302000758 - GZ
Date of Sample Received : 28 Feb 2023
Testing Period : 28 Feb 2023 - 05 Mar 2023
Test Requested : Selected test(s) as requested by the client.
Test Method(s) : Please refer to next page(s).
Test Result(s) : Please refer to next page(s).

Result Summary :

Test Requested	Conclusion
HJ 2542-2016-Volatile Organic Compounds (VOC)	PASS
HJ 2542-2016-Benzene, Toluene, Ethylbenzene, Xylene	PASS

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Kelly Qu

Kelly Qu
Approved Signatory

scan to see the report



CANML2302643902



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SGS-CSTC Standards Technical Services Co., Ltd.
Guangzhou Branch / 广州分公司 / 检验检测专用章

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Test Report

No. CANML2302643902

Date: 06 Mar 2023

Page 2 of 5

Test Result(s) :

Test Part Description :

Specimen No.	SGS Sample ID	Description
SN1	CAN23-026439.001	Black paste

Remarks :

- (1) 1 mg/kg = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected (< MDL)
- (4) "-" = Not Regulated

HJ 2542-2016-Volatile Organic Compounds (VOC)

Test Method : With reference to HJ 2542-2016 Annex B and GB/T 23986-2009.

Test Item(s)	Limit	Unit	MDL	001
Volatile Organic Compounds (VOC)	3	%(w/w)	0.1	ND
Comment				PASS

Notes :

Test result is calculated by GB/T 23986-2009 Clause 10.2.

HJ 2542-2016-Benzene, Toluene, Ethylbenzene, Xylene

Test Method : With reference to HJ 2542-2016 Annex C and GB 18581-2009 Annex B, analysis was performed by GC-FID.

Test Item(s)	Limit	Unit	MDL	001
Benzene	-	mg/kg	100	ND
Toluene	-	mg/kg	100	ND
Xylene	-	mg/kg	100	ND
Ethylbenzene	-	mg/kg	100	ND
Benzene +Toluene + Xylene + Ethylbenzene	100	mg/kg	-	ND
Comment				PASS

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule ($w=0$) stated in ILAC-G8:09/2019.



Test Report

No. CANML2302643902

Date: 06 Mar 2023

Page 3 of 5

Remark:

05-01/03/04/06/08/09/14/15/18/19/20/24/24A/25/27/28/29/30/31/32/36/37/38/39/40/52/53/60/90/

92/93/94/95/03S/04S/06S/27S/37S/40S/60S/93S

10-01/03/04/06/07/09/14/15/16/17/20/21/24/27/29/30/31/32/33/36/37/38/39/40/

52/53/66/71/80

KELE-03/04/06/07/09/14/15/17/21/24/27/29/30/32/36/37/39/40/52/53/55/66/71/

03S/53S/14Z/24Z/32Z/53Z

KL-14/23/24/32/52/0300/0600/1400/1700/1700L/2400/2401/2402/2700/3200/

3700/4000/5200/6000/9400/1400N/2400N/2401N/2402N/3200N/5200N

KS-03/06/14/24/32/36/37/40/53/60

NP05-03/06/14/24/27/32/37/40/52/60

AF-03/06/14/24/32/40/52/90/93

05N-1400/1500/2400/2600/2600A/3200/5200/1422/2322/2422/2622/3222/5222

/1466/2366/2466/2666/3266/5266/1466B/2366B/2466B/2666B/3266B/5266B/

5266BY /1400N/2400N/2600N/3200N/5200N

FLPT1000/1100/1300/1400/1500/1600/2000/2700/3200/3700/3900/5200/6000/7000/9000

FTR-03/06/14/15/24/26/70

PRS-

1400/2300/2400/2600/3200/5200/0366/1466/2366/2466/2666/3266/5266/1466N/2366N/2466N/

2666N/3266N/5266N/1466R/2666R/3266R/5266R/1466Z/2366Z/2666Z/3266Z/5266Z/14G/

26G/32G/

52G/14GE/26GE/26GEQ/32GE/

52GE/1477/2377/3277/5277/14MO/26MO/32MO/52MO

UNE-1400/2400/2600/3200/5200/14N/26N/32N/52N/14R/26R/32R/52R

UNS-14/24/26/28/32/52

UHG-1400/2400/3200/5200

UN-UBK



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Test Report

No. CANML2302643902

Date: 06 Mar 2023

Page 4 of 5

65-03/06/07/07B/09/14/16/18/21/23/26/29/30/31/32/34/38/42/42A/42B/50/51/60/92/93/600189

JL-14/14B/14Y/24/26/28/32/52

JXL-801/802/803/804/805/806/807

PSE-1400/2600/3200/5200/1422/2622/3222/5222/1400EP/2400EP/2600EP/
3200EP/5200EP

PPO-

0300/0600/1400/1500/1800/2000/2400/2600/2900/3200/3600/3700/3900/4000/5200/6000/9300/

0300ET/0600ET/1400ET/1500ET/1800ET/2000ET/

2400ET/2600ET/2900ET/3200ET/3600ET/3700ET/3900ET/4000ET/5200ET/

6000ET/9300ET

PUV-0300/060/1400/1500/2600/2900/3200/3800/3900/4000/5200/5201/6000/

7000/9300/0300(E)/0600(E)/1400(E)/2600(E)/3200(E)/5200(E)/4000(ET)/

1400LED/2600LED/3200LED/3870LED/4000LED/5200LED

PWO-03/14/24/29/32/58/59/59A/59B/60/1403/1403B/1403F/1403(ZJ)/2403/

2403A/2403(ZJ)/3203/3203A/3203(ZJ)/5202/5202B/5202F/5202H/5203/5802/

5901/5902

90-82/83/90/91/92

94-90 JB90-90 JB94-90

1000 /3000/ 3333 /4000 /5000

FT-92

PMD UV-14/26/32/52/40A/40B

No.1printing varnish

6#printing varnish /19/59/402/71/79/52-94/2527/62#/30-90/PPO-80

/PPO-94/PPO-402



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Test Report

No. CANML2302643902

Date: 06 Mar 2023

Page 5 of 5

Sample photo:



SGS authenticate the photo on original report only

*** End of Report ***

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