



中国认可
国际互认
检测
TESTING
CNAS L9381



检测报告

编号: EG200609038C01ZVer.1

日期: 2020 年 06 月 11 日

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委托单位 : 上海牡丹油墨有限公司
Applicant : SHANGHAI PEONY PRINTING INK CO., LTD
地 址 : 上海市杨树浦路 2310 号
Address : 2310, Yangshupu Road, Shanghai

样品名称 : 耐磨光油
Sample Name : Rub Resistance Overprint Varnish
型 号 : KL-9400
Model : KL-9400

接收日期 : 2020 年 06 月 09 日
Received Date : Jun. 09, 2020
检测日期 : 2020 年 06 月 09 日~2020 年 06 月 11 日
Test Period : Jun. 09, 2020~Jun. 11, 2020

检测概要 :
Test Summary :

检测项目/Test Item

结论/Conclusion

欧盟指令 2011/65/EU (RoHS) 及其修订指令 (EU)
Directive 2011/65/EU (RoHS) and its Amendments
特定元素的迁移量 Migration of certain elements
DEHP(DOP)、DBP、BBP、DINP、DIDP、DNOP

Pass

Pass

N/A

注: Pass: 符合要求; Fail: 不符合要求; N/A: 不评价或仅提供检测结果

Remark: Pass: Meet the requirement; Fail: Doesn't meet the requirement; N/A: Without conclusions or provide test results only.

编 制:

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助理工程师

审 核:

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测试主管

签 发:

授权签字人
夏奇, Mickey

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样品描述 Sample Description

样品序号 Sample No.	样品编号 Sample Number	数量 Quantity
01	EG20060903801	200g

检测结果汇总 Summary of Test Results

1. RoHS

1.1 检测方法 Test Method

检测项目 Test Item	测试方法 Test Method
镉 Cadmium (Cd), 铅 Lead(Pb)	IEC 62321-5:2013
汞 Mercury(Hg)	IEC 62321-4:2013
六价铬 Hexavalent Chromium (Cr ⁶⁺)	IEC 62321-7-2:2017
PBBs & PBDEs	IEC 62321-6:2015

1.2 检测设备 Test Instrument

设备名称 Instrument Name	厂家 Manufacturer	型号 Model
ICP-OES	Agilent	720
UV-Vis	SHIMADZU	UV-1800
GC-MS	Agilent	7890B-5977A

1.3 检测结果 Test Result: 限值依照欧盟指令 2011/65/EU (RoHS)及其修订指令 /Limit according to Directive 2011/65/EU (RoHS) and its Amendments

检测项目 Test Item	结果 Result(mg/kg)	MDL (mg/kg)	限值 Limit (mg/kg)
	01		
铅 Lead (Pb)	N.D.	2	1000
镉 Cadmium (Cd)	N.D.	2	100
汞 Mercury (Hg)	N.D.	2	1000
六价铬 Hexavalent Chromium (Cr ⁶⁺)	N.D.	8	1000

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检测项目 Test Item	结果 Result (mg/kg)	MDL (mg/kg)	限值 Limit(mg/kg)
	01		
多溴联苯 (1 – 10) Polybrominated Biphenyls(Mono – Deca) (PBBs)	N.D.	--	1000
单溴联苯 Monobromobiphenyl	N.D.	5	--
二溴联苯 Dibromobiphenyl	N.D.	5	--
三溴联苯 Tribromobiphenyl	N.D.	5	--
四溴联苯 Tetrabromobiphenyl	N.D.	5	--
五溴联苯 Pentabromobiphenyl	N.D.	5	--
六溴联苯 Hexabromobiphenyl	N.D.	5	--
七溴联苯 Heptabromobiphenyl	N.D.	5	--
八溴联苯 Octabromobiphenyl	N.D.	5	--
九溴联苯 Nonabromobiphenyl	N.D.	5	--
十溴联苯 Decabromobiphenyl	N.D.	5	--
多溴二苯醚 (1 – 10) Polybrominated Diphenylethers(Mono – Deca) (PBDEs)	N.D.	--	1000
单溴二苯醚 Monobromodiphenyl ether	N.D.	5	--
二溴二苯醚 Dibromodiphenyl ether	N.D.	5	--
三溴二苯醚 Tribromodiphenyl ether	N.D.	5	--
四溴二苯醚 Tetrabromodiphenyl ether	N.D.	5	--
五溴二苯醚 Pentabromodiphenyl ether	N.D.	5	--
六溴二苯醚 Hexabromodiphenyl ether	N.D.	5	--
七溴二苯醚 Heptabromodiphenyl ether	N.D.	5	--
八溴二苯醚 Octabromodiphenyl ether	N.D.	5	--
九溴二苯醚 Nonabromodiphenyl ether	N.D.	5	--
十溴二苯醚 Decabromodiphenyl ether	N.D.	5	--

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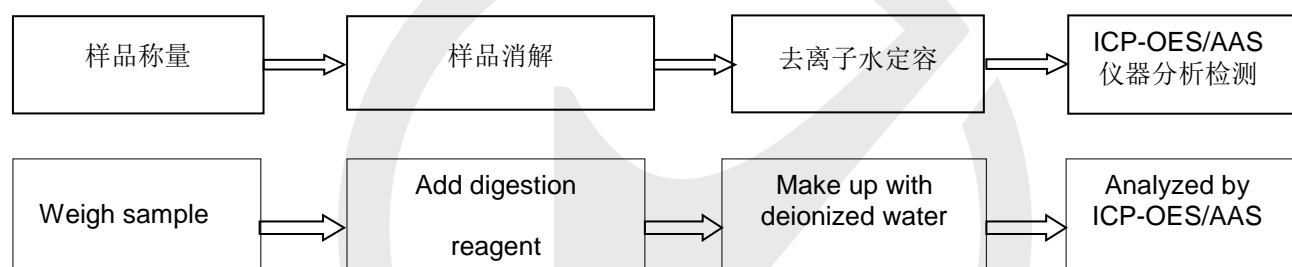
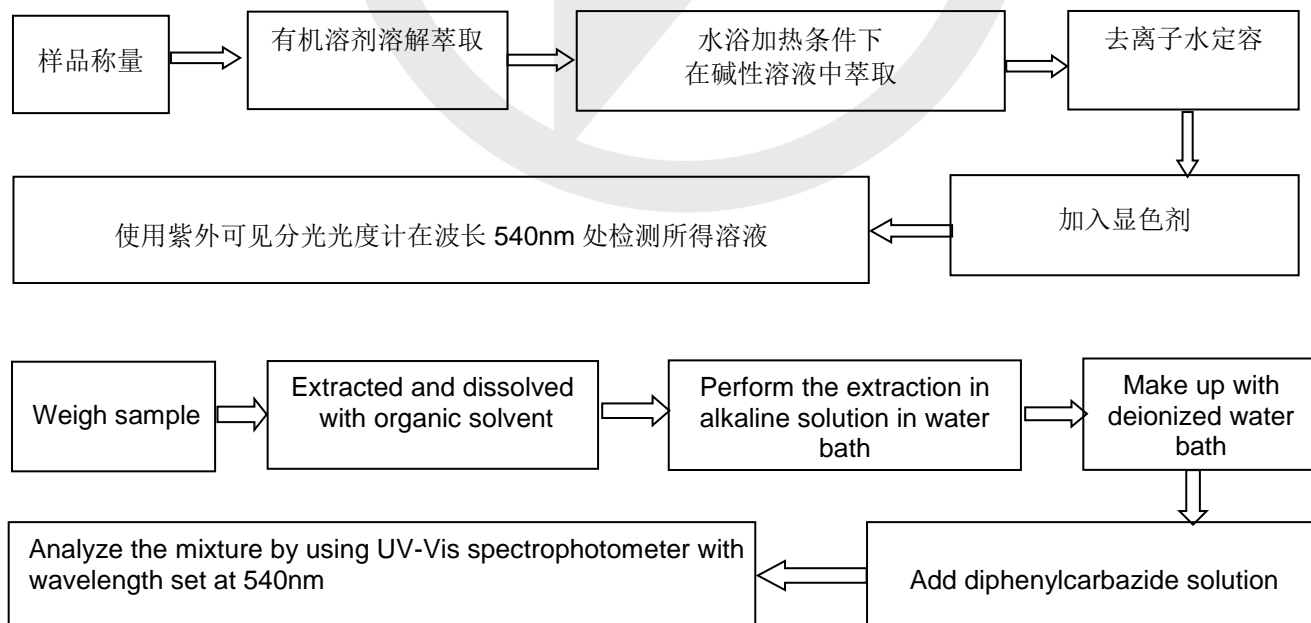
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备注 Note

- 1) N.D. = 未检测到 (小于 MDL)/N.D. = Not Detected (Less than MDL)
- 2) MDL= 方法检出限/MDL= Method Detection Limit
- 3) 对于检测铅、镉、汞的样品已完全溶解。/Specimens, which requested to determine Lead, Cadmium and Mercury content, have been dissolved completely.

1.4 检测流程图 Test Flowchart

Pb, Cd, Hg 检测流程/Pb, Cd, Hg Test Process :

Cr⁶⁺检测流程/Cr⁶⁺ Test Process :

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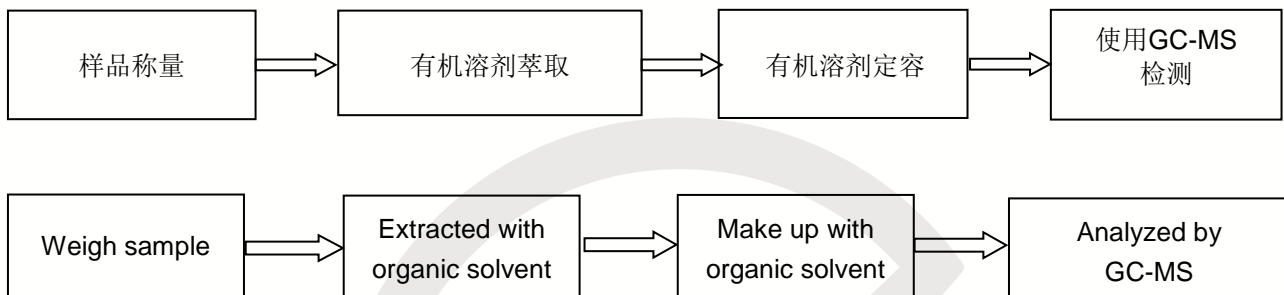
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PBBs 检测流程 / PBBs Test Process:



2. 特定元素的迁移量 Migration of certain elements

2.1 检测方法 Test Method

检测项目 Test Item	测试方法 Test Method
特定元素的迁移量 Migration of certain elements	GB 6675.4-2014

2.2 检测设备 Test Instrument

设备名称 Instrument Name	设备厂商 Manufacturer	型号 Model
ICP-OES	Agilent	720

2.3 检测结果 Test Result: 限值依据 GB 6675.4-2014/Limit according to GB 6675.4-2014.

检测项目 Test Item	锑 Antimony (Sb)	砷 Arsenic (As)	钡 Barium (Ba)	镉 Cadmium (Cd)	铬 Chromium (Cr)	铅 Lead (Pb)	汞 Mercury (Hg)	硒 Selenium (Se)
限值 Limit	60	25	1000	75	60	90	60	500
单位 Unit	mg/kg							
MDL	5	5	5	5	5	5	5	5
结果 Result	01	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

备注 Note

- 1) N.D. = Not Detected (Less than MDL)/未检测到 (小于 MDL)
- 2) MDL= Method Detection Limit/方法检出限

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3. DEHP(DOP)、DBP、BBP、DINP、DIDP、DNOP

3.1 检测方法 Test Method

检测项目 Test Item	测试方法 Test Method
DEHP(DOP)、DBP、BBP、DINP、DIDP、DNOP	IEC 62321-8:2017

3.2 检测设备 Test Instrument

设备名称 Instrument Name	设备厂商 Manufacturer	设备型号 Model
GC-MS	SHIMADZU	QP2010 Ultra

3.3 检测结果 Test Result

检测项目 Test Item	CAS No.	结果 Result(mg/kg)	MDL (mg/kg)
		01	
邻苯二甲酸二(2-乙基)己酯 Di(2-ethylhexyl) phthalate (DEHP) (DOP)	117-81-7	N.D.	30
邻苯二甲酸二丁酯 Di-n-butyl phthalate(DBP)	84-74-2	N.D.	30
邻苯二甲酸丁基苄基酯 Butyl benzyl phthalate(BBP)	85-68-7	N.D.	30
邻苯二甲酸二异壬酯 Diisononyl phthalate(DINP)	28553-12-0 68515-48-0	N.D.	50
邻苯二甲酸二异癸酯 Diisoheptyl phthalate(DIDP)	68515-49-1 26761-40-0	N.D.	50
邻苯二甲酸二正辛酯 Di-n-octyl phthalate(DNOP)	117-84-0	N.D.	30

备注 Note

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- 2) MDL= 方法检出限/Method Detection Limit

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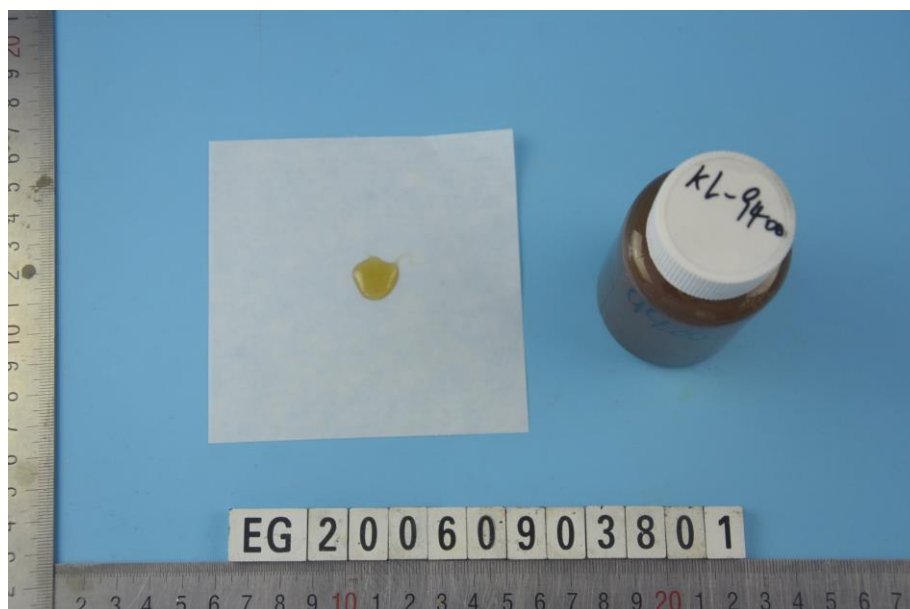
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样品照片 Sample Photo



*** 报告结束 ***
*** End of Report ***

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