



中国认可
国际互认
检测
TESTING
CNAS L9381



Test Report

No.: EG190228154C01ZVer.1

Date: Mar. 07, 2019

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Applicant : SHANGHAI PEONY PRINTING INK CO., LTD
委托单位 : 上海牡丹油墨有限公司
Address : 2310, Yangshupu Road, Shanghai
地 址 : 上海市杨树浦路 2310 号
Sample Name : Offset printing ink products and printing auxiliaries
样品名称 : 胶印油墨产品及印刷用辅助剂
Quantity : 400g
数 量 : 400g
Model : Refer to model list
型 号 : 见型号清单
Lot No. : /
批 号 : /
Supplier : /
供 应 商 : /
Manufacturer : Anhui Huayi Rixin Technology Co., Ltd.
生产单位 : 安徽华谊日新科技有限公司
Production Address : No. 518 Baochan Mountain Road, Hanshan Economic Development Zone
生产地址 : 含山经济开发区褒禅山路 518 号
Received Date : Feb. 28, 2019
接收日期 : 2019 年 02 月 28 日
Testing Period : Feb. 28, 2019~Mar. 07, 2019
检测日期 : 2019 年 02 月 28 日~2019 年 03 月 07 日

Test Summary Refer To Next Page 检测概要见下页

Signed for and on behalf of
EMTEK (SUZHOU) CO., LTD

Prepared by: Betty
Zhuang Yongchan, Betty
Assistant Engineer

Reviewed by: Jason
Jiang Yufeng, Jason
Technical supervisor

Approved by: Mickey
Yuan Q. Mickey
Authorized signatory
Mar. 07, 2019

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Test Summary 检测概要

No. 序号	Test Item 检测项目	Test Conclusion 检测结论
1	Directive 2011/65/EU (RoHS) and commission delegated Directive (EU)2015/863、(EU) 2017/2102 欧盟指令 2011/65/EU (RoHS)及其修订指令(EU)2015/863、(EU) 2017/2102	Pass
2	Migration of certain elements 特定元素的迁移量	Pass
3	Volatile organic compounds 挥发性有机化合物 (VOC)	Pass
4	Benzene, toluene, ethylbenzene and xylene 苯、甲苯、乙苯、二甲苯	Pass
5	Soluble element 可溶性元素	Pass
6	Lead 铅 (Pb), Mercury 汞 (Hg), Cadmium 镉 (Cd), Hexavalent Chromium 六价铬(Cr ⁶⁺)	Pass

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

Sample Description 样品描述

Sample No. 样品序号	Sample Number 样品编号
01	EG19022815401

Summary of Test Results 检测结果汇总

1. RoHS

1.1 Test Method 检测方法

Test Item 检测项目	Test Method 测试方法
Cadmium 镉 (Cd), Lead 铅 (Pb)	IEC 62321-5:2013
Mercury 汞 (Hg)	IEC 62321-4:2013+AMD1:2017
Hexavalent Chromium 六价铬(Cr ⁶⁺)	IEC 62321-7-2:2017
PBBs & PBDEs	IEC 62321-6:2015
DEHP, BBP, DBP, DIBP	IEC 62321-8:2017

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1.2 Test Instrument 检测设备

Instrument Name 设备名称	Manufacturer 厂家	Model 型号
ICP-OES	Agilent	720
UV-Vis	SHIMADZU	UV-2600
GC-MS	Agilent	7890B-5977A
GC-MS	SHIMADZU	QP2010 Ultra

1.3 Test Result 检测结果: Limit according to Directive 2011/65/EU (RoHS) and commission delegated Directive (EU)2015/863、(EU) 2017/2102/ 限值依照欧盟指令 2011/65/EU (RoHS) 及其修订指令 (EU)2015/863、(EU) 2017/2102

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

Test Item 检测项目	Result 结果 (mg/kg)	MDL (mg/kg)	Limit 限值 (mg/kg)
	01		
Polybrominated Biphenyls(Mono – Deca) 多溴联苯 (1 – 10) (PBBs)	N.D.	--	1000
Monobromobiphenyl 单溴联苯	N.D.	5	--
Dibromobiphenyl 二溴联苯	N.D.	5	--
Tribromobiphenyl 三溴联苯	N.D.	5	--
Tetrabromobiphenyl 四溴联苯	N.D.	5	--
Pentabromobiphenyl 五溴联苯	N.D.	5	--
Hexabromobiphenyl 六溴联苯	N.D.	5	--
Heptabromobiphenyl 七溴联苯	N.D.	5	--
Octabromobiphenyl 八溴联苯	N.D.	5	--
Nonabromobiphenyl 九溴联苯	N.D.	5	--

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Decabromobiphenyl 十溴联苯	N.D.	5	--
Polybrominated Diphenylethers(Mono – Deca) 多溴二苯醚 (1 – 10) (PBDEs)	N.D.	--	1000
Monobromodiphenyl ether 单溴二苯醚	N.D.	5	--
Dibromodiphenyl ether 二溴二苯醚	N.D.	5	--
Tribromodiphenyl ether 三溴二苯醚	N.D.	5	--
Tetrabromodiphenyl ether 四溴二苯醚	N.D.	5	--
Pentabromodiphenyl ether 五溴二苯醚	N.D.	5	--
Hexabromodiphenyl ether 六溴二苯醚	N.D.	5	--
Heptabromodiphenyl ether 七溴二苯醚	N.D.	5	--
Octabromodiphenyl ether 八溴二苯醚	N.D.	5	--
Nonabromodiphenyl ether 九溴二苯醚	N.D.	5	--
Decabromodiphenyl ether 十溴二苯醚	N.D.	5	--

Test Item 检测项目	CAS No.	Result 结果 (mg/kg)	MDL (mg/kg)	Limit 限值 (mg/kg)
		01		
Bis(2-ethylhexyl) phthalate 邻苯二甲酸二(2-乙基)己酯(DEHP)	117-81-7	N.D.	30	1000
Butyl benzyl phthalate 邻苯二甲酸丁苄酯 (BBP)	85-68-7	N.D.	30	1000
Dibutyl phthalate 邻苯二甲酸二丁酯 (DBP)	84-74-2	N.D.	30	1000
Diisobutyl phthalate 邻苯二甲酸二异丁酯 (DIBP)	84-69-5	N.D.	30	1000

Note 备注

- 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
- 3) Specimens, which requested to determine Lead, Cadmium and Mercury content, have been dissolved completely./对于检测铅、镉、汞的样品已完全溶解

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Test Report

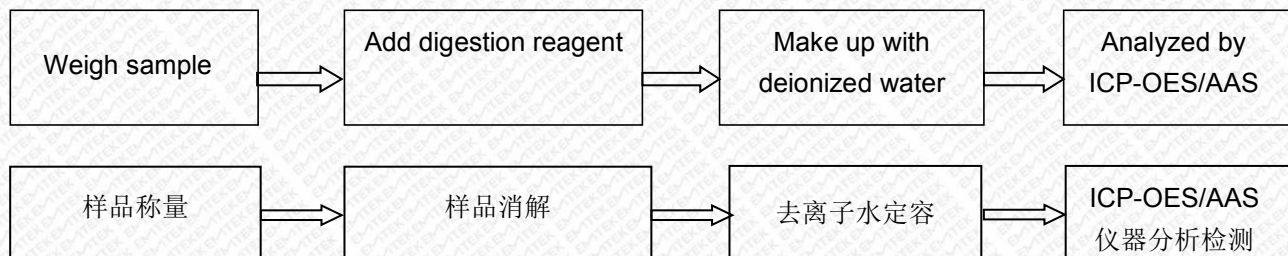
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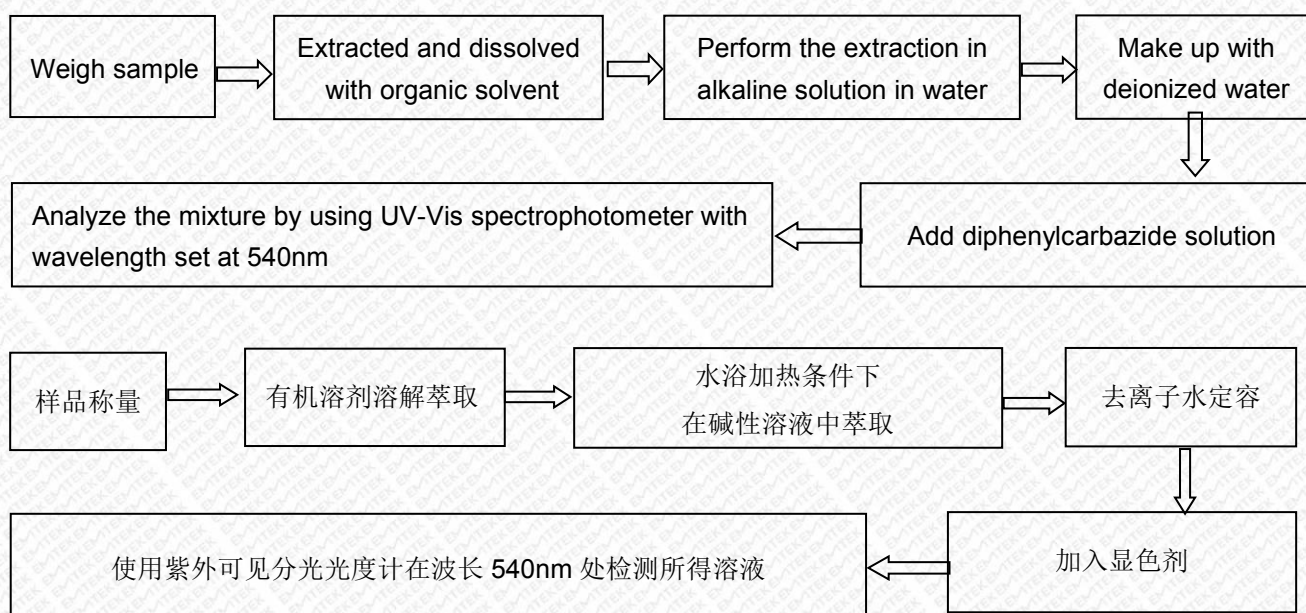
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1.4 Test Flowchart 检测流程图

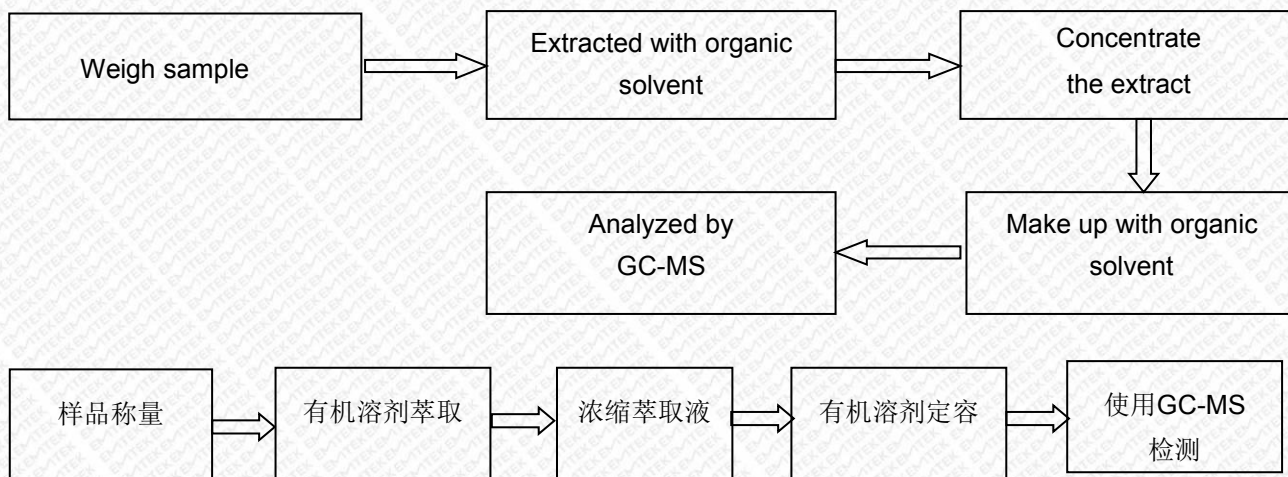
Pb, Cd, Hg Test Process/ Pb, Cd, Hg 检测流程:



Cr⁶⁺ Test Process/ Cr⁶⁺检测流程:



PBBs & PBDEs, DEHP, BBP, DBP, DIBP Test Process/ PBBs & PBDEs, DEHP, BBP, DBP, DIBP 检测流程:



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

2.1 Test Method 检测方法

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

2.2 Test Instrument 检测设备

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

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

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

Note 备注

- 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

3. Volatile organic compounds 挥发性有机化合物 (VOC)

3.1 Test Method 检测方法

Test Item 检测项目	Test Method 测试方法
Volatile organic compounds 挥发性有机化合物 (VOC)	GB/T 23986-2009、HJ 2542-2016

3.2 Test Instrument 检测设备

Instrument Name 设备名称	Manufacture 厂 家	Model 型 号
GC	SHIMADZU	2010 Plus

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3.3 Test Result 检测结果: Limit according to standard HJ 2542-2016 /限值依照标准 HJ 2542-2016

Test Item 检测项目	Result 结果 (%)	MDL (%)	Limit 限值 (%)
	01		
Volatile organic compounds 挥发性有机化合物 (VOC)	N.D.	0.1	≤3

Note 备注

- 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

4. Benzene, toluene, ethylbenzene and xylene 苯、甲苯、乙苯、二甲苯

4.1 Test Method 检测方法

Test Item 检测项目	Test Method 测试方法
Benzene, toluene, ethylbenzene and xylene 苯、甲苯、乙苯、二甲苯	GB 18581-2009、HJ 2542-2016

4.2 Test Instrument 检测设备

Instrument Name 设备名称	Manufacture 厂家	Model 型号
GC-MS	SHIMADZU	QP2010 Ultra

4.3 Test Result 检测结果: Limit according to standard HJ 2542-2016 /限值依照标准 HJ 2542-2016

Test Item 检测项目		Result 结果 (mg/kg)	MDL(mg/kg)	Limit 限值 (mg/kg)
		01		
Benzene 苯		N.D.	5	----
Toluene 甲苯		N.D.	5	----
Ethylbenzene 乙苯		N.D.	5	----
Xylene 二甲苯	p-xylene 对二甲苯	N.D.	5	----
	M-xylene 间二甲苯	N.D.	5	----
	O-xylene 邻二甲苯	N.D.	5	----
Total dimethylbenzene 二甲苯总和		N.D.	----	----

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Total of benzene, toluene, ethylbenzene and xylene 苯、甲苯、二甲苯、乙苯的总量	N.D.	----	≤100
--	------	------	------

Note 备注

- 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

5. Soluble element 可溶性元素

5.1 Test Method 检测方法

Test Item 检测项目	Test Method 测试方法
Soluble element 可溶性元素	HJ 2542-2016、QB 2930.1-2008

5.2 Test Instrument 检测设备

Instrument Name 设备名称	Manufacture 厂家	Model 型号
ICP-OES	Agilent	720

5.3 Test Result 检测结果: Limit according to standard HJ 2542-2016, QB 2930.1-2008 /限值依照标准 HJ 2542-2016, QB 2930.1-2008

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

Note 备注

- 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。
- 3) The CNAS mark of this test report did not cover the test item
本检测报告中的 CNAS 标识不涵盖此检测项目

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6. Lead 铅 (Pb), Mercury 汞 (Hg), Cadmium 镉 (Cd), Hexavalent Chromium 六价铬(Cr⁶⁺)

6.1 Test Method 检测方法

Test Item 检测项目	Test Method 测试方法
Lead 铅 (Pb), Mercury 汞 (Hg), Cadmium 镉 (Cd), Hexavalent Chromium 六价铬(Cr ⁶⁺)	HJ 2542-2016、QB 2930.2-2008

6.2 Test Instrument 检测设备

Instrument Name 设备名称	Manufacturer 设备厂商	Model 设备型号
ICP-OES	Agilent	720
UV-Vis	SHIMADZU	UV-2600

6.3 Test Result 检测结果: Limit according to Standard HJ 2542-2016, QB 2930.2-2008 /限值依照标准 HJ 2542-2016, QB 2930.2-2008

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

Note 备注

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Model list 型号清单

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
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
PWO-03/14/24/29/32/58/59/59A/59B/60/1403/2403/3203/5202/5202H/5203/5802/5901/5902
90-82/83/90/91/92 94-90 JB90-90 JB94-90
KELE-03/04/06/07/09/14/15/17/21/24/27/29/30/32/36/37/39/40/52/53/66/71/03S/53S
KL-14/23/24/32/52/0300/0600/1400/1700/2400/2401/2402/2700/3200/3700/4000/5200/6000/9400/1400N/
2400N/2401N/2402N/3200N/5200N
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/3200/5200/1422/2322/2422/2622/3222/5222/1466/2366/2466/2666/326
6/5266/1466B/2366B/2466B/3266B/5266B/1466Y/1400N/2400N/2600N/3200N/5200N
FLPT1000/1100/1300/1400/1500/1600/2000/2700/3200/3700/3900/5200/6000/7000/9000
FTR-03/14/15/26/70
PRS-1400/2300/2400/2600/3200/5200/0366/1466/2366/2466/2666/3266/5266/14G/26G/32G/52G/1488/2
388/2688/3288/5288/14MO/26MO/32MO/52MO
UNE-1400/2400/2600/3200/5200/9400/14N/26N/32N/52N/14R/26R/32R/52R
UHG-1400/2400/3200/5200
UN-UBK
LUX-1400/2600/3200/5200
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
PSE-1400/2600/3200/5200/1422/2622/3222/5222/9302
PNS-1400/2400/2600/3200/5200
PPO-0300/1400/2600/3200/4000/5200/9300
PUV-0300/0600/1400/1500/2600/2900/3200/3800/3900/4000/5200/5201/6000/7000/9300
PMD UV-14/26/32/52/40A/40B
NO.1 调墨油
贴花 6#油/印刷 6#油/19/59/402/71/52-94/2527/62#/30-90

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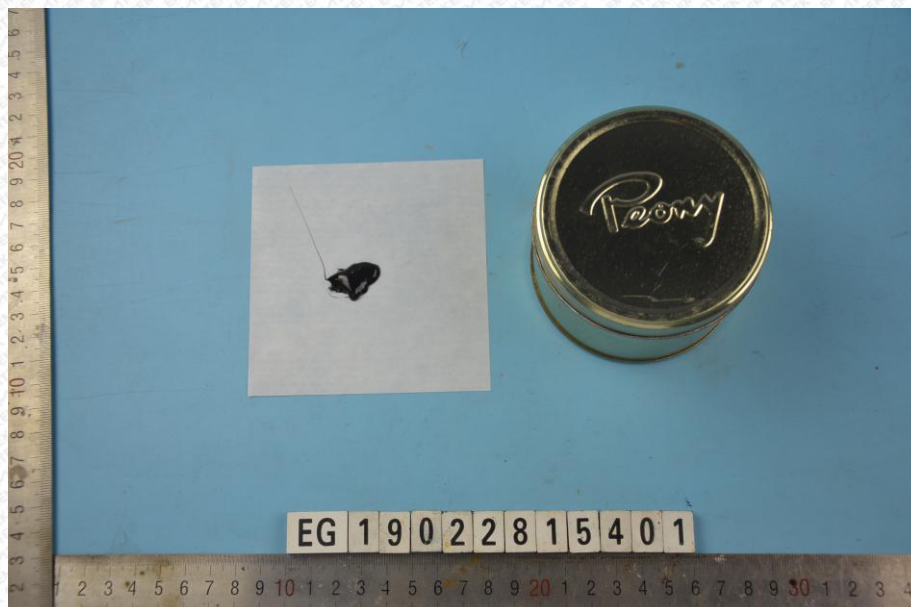
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Sample Photo 样品照片



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