

# 检测报告

## Test Report

报告编号 :RLSD1105301026405003  
Report No.:RLSD1105301026405003

第 1 页 共 17 页  
Page 1 of 17

申请单位 :佛山市南海南兴树脂有限公司  
Applicant :FOSHAN NANHAI NANXING RESIN CO.,LTD.  
地 址 :广东省佛山市南海区大沥镇兴贤丹邱路口  
Address :XINGXIAN DANQIU ROAD,DALI TOWN,FOSHAN CITY,GUANGDONG

### 样品信息 Report on the submitted sample(s) said to be:

样品名称 Sample Name :水性胶粘剂  
样品描述 Sample Description :乳白色液体 Milky white liquid  
样品型号 Part No. :水性 PU 胶  
颜色 Color :乳白色  
制造商 Manufacturer :佛山市南海南兴树脂有限公司  
FOSHAN NANHAI NANXING RESIN CO.,LTD.  
样品接收日期 :2011.05.30  
Sample Received Date :May.30,2011  
样品检测日期 :2011.05.30-2011.06.03  
Testing Period :May.30,2011 to Jun.3, 2011  
检测依据 Test Method :请参见下页 Please refer to the following page(s)

检测结果 Test Results :请参见下页 Please refer to the following page(s)

摘要 Summary :根据分析结果, 所提交样品中 46 种 SVHC 浓度小于 0.1%。  
According to the analytical results, concentrations of 46 SVHC substances are less than 0.1% in the submitted sample.

主 检  
Tested by \_\_\_\_\_  
签 发  
Approved by \_\_\_\_\_  
技术经理  
Technical Manager



审 核  
Inspected by Wang Wenjun  
签发日期 2011.06.03  
Date Jun.3, 2011

No.30381083

# 检测报告

## Test Report

报告编号 :RLSD1105301026405003

第 2 页 共 17 页

Report No.:RLSD1105301026405003

Page 2 of 17

### 检测要求

:根据客户要求, 参照法规(EC) No 1907/2006(REACH), 对所提交样品中 46 种高关注物质(SVHC)(蒽、4,4'-二氨基二苯基甲烷、邻苯二甲酸二丁酯、二氯化钴、五氧化二砷、三氧化二砷、重铬酸钠、二甲苯麝香、邻苯二甲酸二(2-乙基己基)酯(DEHP)、六溴环十二烷(HBCDD)、短链氯化石蜡、三丁基氧化锡、砷酸氢铅、邻苯二甲酸丁基苄酯、三乙基砷酸酯、蒽油、4 种蒽油类、煤焦油沥青,高温、丙烯酰胺、硅酸铝耐火陶瓷纤维、氧化锆硅酸铝耐火陶瓷纤维、2,4-二硝基甲苯、邻苯二甲酸二异丁酯(DIBP)、铬酸铅、钼铬红(C.I.颜料红 104)、铅铬黄(C.I.颜料黄 34)、磷酸三(2-氯乙基)酯(TCEP)、三氯乙烯、硼酸、四硼酸钠,无水、四硼酸钠,水合物、铬酸钠、铬酸钾、重铬酸铵、重铬酸钾、硫酸钴、硝酸钴、碳酸钴、醋酸钴、乙二醇单甲醚、乙二醇单乙醚、三氧化铬、从三氧化铬产生的酸类以及它们的齐聚物: 铬酸、重铬酸、铬酸和重铬酸的齐聚物)进行筛选测试。

### Test Requested

: As specified by client, to screen the 46 substances of very high concern (SVHC) under Regulation(EC) No 1907/2006 of REACH, including:  
Anthracene; 4,4'-Diaminodiphenylmethane; Dibutyl phthalate;  
Cobalt dichloride; Diarsenic pentaoxide; Diarsenic trioxide; Sodium dichromate; Musk-xylene; Bis(2-ethyl(hexyl)phthalate)(DEHP);  
Hexabromocyclododecane(HBCDD); Short Chain Chlorinated Paraffins;  
Bis(tributyltin)oxide; Lead hydrogen arsenate; Benzyl butyl phthalate;  
Triethyl Arsenate; Anthracene oil; four types of Anthracene oil fractions;  
Coal tar pitch, high temperature; Acrylamide; Aluminosilicate, Refractory Ceramic Fibres; Zirconia Aluminosilicate, Refractory Ceramic Fibres;  
2,4-Dinitrotoluene; Diisobutyl phthalate (DIBP); Lead chromate; Lead chromate molybdate sulphate red (C.I. Pigment Red 104); Lead sulfochromate yellow(C.I. Pigment Yellow 34); Tris(2-chloroethyl)phosphate (TCEP) ;  
Trichloroethylene; Boric acid; Disodium tetraborate, anhydrous; Tetraboron disodium heptaoxide, hydrate; Sodium chromate; Potassium chromate;  
Ammonium dichromate; Potassium dichromate, Cobalt( II ) sulphate, Cobalt( II ) dinitrate, Cobalt( II ) carbonate, Cobalt( II ) diacetate,  
2-Methoxyethanol, 2-Ethoxyethanol, Chromium trioxide, Acids generated from chromium trioxide and their oligomers: Chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid in the submitted sample.

# 检测报告

## Test Report

报告编号 :RLSD1105301026405003  
 Report No.:RLSD1105301026405003  
 检测依据 Test Method:

第 3 页 共 17 页  
 Page 3 of 17

物质名称 Substance Name(s)	测试方法及仪器 Test Method and Equipments	检出限 Report Limit
蒽 Anthracene	GS ZEK 01.2-08, GC-MS	0.005%
4,4'-二氨基二苯基甲烷 4,4'- Diaminodiphenylmethane	参考 Refer to US EPA 3550C:2007 / US EPA 8270D:2007, GC-MS	0.005%
邻苯二甲酸二丁酯 Dibutyl phthalate(DBP)	参考 Refer to EN 14372-2004, GC-MS	0.005%
二氯化钴* Cobalt dichloride*	参考 Refer to US EPA 3052:1996/ BS EN14582:2007, ICP-OES/IC	0.01%
五氧化二砷* Diarsenic pentaoxide*	参考 Refer to US EPA 3052:1996, ICP-OES	0.01%
三氧化二砷* Diarsenic trioxide*	参考 Refer to US EPA 3052:1996, ICP-OES	0.01%
重铬酸钠* Sodium dichromate*	参考 Refer to US EPA 3052:1996/ US EPA 3060A:1996, ICP-OES/UV-Vis	0.01%
二甲苯麝香 Musk xylene	参考 Refer to US EPA 3540C:1996, GC-MS	0.005%
邻苯二甲酸(2-乙基己基)酯 Bis(2-ethyl(hexyl)phthalate)(DEHP)	参考 Refer to EN 14372-2004, GC-MS	0.005%
六溴环十二烷 Hexabromocyclododecane (HBCDD)	参考 Refer to US EPA 3540C:1996, GC-MS	0.005%
短链氯化石蜡 Short Chain Chlorinated Paraffins (SCCPs)	参考 Refer to US EPA 3540C:1996, GC-MS	0.01%
三丁基氧化锡* Bis(tributyltin)oxide (TBTO)*	参考 Refer to US EPA 3052:1996/ DIN 38407:2003, ICP-OES/GC-MS	0.005%
砷酸氢铅* Lead hydrogen arsenate*	参考 Refer to US EPA 3052:1996, ICP-OES	0.01%
邻苯二甲酸丁基苄酯 (BBP) Benzyl butyl phthalate(BBP)	参考 Refer to EN 14372-2004, GC-MS	0.005%
三乙基砷酸酯* Triethyl arsenate*	参考 Refer to US EPA 3052:1996, ICP-OES	0.01%

# 检测报告

## Test Report

报告编号 :RLSD1105301026405003  
 Report No.:RLSD1105301026405003  
 检测依据 Test Method:

第 4 页 共 17 页  
 Page 4 of 17

物质名称 Substance Name(s)	测试方法及仪器 Test Method and Equipments	检出限 Report Limit
<sup>①</sup> 蒽油 Anthracene oil	参考 Refer to US EPA 3550C:2007, GC-MS	0.05%
<sup>①</sup> 蒽油,蒽糊,轻油 Anthracene oil, anthracene paste, distn. Lights ****	参考 Refer to US EPA 3550C:2007, GC-MS	0.05%
<sup>①</sup> 蒽油,蒽糊,蒽馏分 Anthracene oil, anthracene paste,anthracene fraction	参考 Refer to US EPA 3550C:2007, GC-MS	0.05%
<sup>①</sup> 蒽油,含蒽量少 Anthracene oil, anthracene-low	参考 Refer to US EPA 3550C:2007, GC-MS	0.05%
<sup>①</sup> 蒽油,蒽糊 Anthracene oil, anthracene paste	参考 Refer to US EPA 3550C:2007, GC-MS	0.05%
<sup>①</sup> 煤焦油沥青,高温 Coal tar pitch, high temperature	参考 Refer to US EPA 3550C:2007, GC-MS	0.05%
<sup>②</sup> 硅酸铝耐火陶瓷纤维 Aluminosilicate, Refractory Ceramic Fibres	In-house method, ICP-OES/SEM-EDS	0.05%
<sup>②</sup> 氧化锆硅酸铝耐火陶瓷纤维 Zirconia Aluminosilicate, Refractory Ceramic Fibres	In-house method, ICP-OES/SEM-EDS	0.05%
2,4-二硝基甲苯 2,4-Dinitrotoluene(DNT)	参考 Refer to US EPA 3550C:2007, GC-MS	0.01%
丙烯酰胺 Acrylamide	参考 Refer to US EPA 3550C:2007, HPLC	0.01%
邻苯二甲酸二异丁酯 Diisobutyl phthalate (DIBP)	参考 Refer to EN 14372-2004, GC-MS	0.005%
<sup>②</sup> 铬酸铅 Lead chromate	参考 Refer to US EPA 3052:1996/US EPA 3060A:1996, ICP-OES/UV-Vis	0.05%
<sup>②</sup> 钼铬红(C.I.颜料红 104) Lead chromate molybdate sulphate red (C.I. Pigment Red 104)***	参考 Refer to US EPA 3052:1996/US EPA 3060A:1996, ICP-OES/UV-Vis	0.05%
<sup>②</sup> 铅铬黄(C.I.颜料黄 34) Lead sulfochromate yellow (C.I. Pigment Yellow 34)***	参考 Refer to US EPA 3052:1996/US EPA 3060A:1996, ICP-OES/UV-Vis	0.05%
磷酸(三 2-氯乙基)酯 Tris(2-chloroethyl)phosphate (TCEP)	参考 Refer to US EPA 3550C:2007, GC-MS	0.01%

# 检测报告

## Test Report

报告编号 :RLSD1105301026405003  
 Report No.:RLSD1105301026405003  
 检测依据 Test Method:

第 5 页 共 17 页  
 Page 5 of 17

物质名称 Substance Name(s)	测试方法及仪器 Test Method and Equipments	检出限 Report Limit
三氯乙烯 Trichloroethylene	参考 Refer to US EPA 5021:1996;Headspace-GC/MS	0.005%
③硼酸 Boric acid	参考 Refer to US EPA 3052:1996,ICP-OES	0.01%
④四硼酸钠, 无水***** Disodium tetraborate, anhydrous*****	参考 Refer to US EPA 3052:1996,ICP-OES	0.01%
④四硼酸钠, 水合物***** Tetraboron disodium heptaoxide, hydrate*****	参考 Refer to US EPA 3052:1996,ICP-OES	0.01%
④铬酸钠 Sodium chromate	参考 Refer to US EPA 3052:1996/US EPA 3060A:1996,ICP-OES/UV-Vis	0.01%
④铬酸钾 Potassium chromate	参考 Refer to US EPA 3052:1996/US EPA 3060A:1996,ICP-OES/UV-Vis	0.01%
④重铬酸铵 Ammonium dichromate	参考 Refer to US EPA 3052:1996/US EPA 3060A:1996,ICP-OES/UV-Vis	0.01%
④重铬酸钾 Potassium dichromate	参考 Refer to US EPA 3052:1996/US EPA 3060A:1996,ICP-OES/UV-Vis	0.01%

# 检测报告

## Test Report

报告编号 :RLSD1105301026405003  
 Report No.:RLSD1105301026405003  
 检测依据 Test Method:

第 6 页 共 17 页  
 Page 6 of 17

物质名称 Substance Name(s)	测试方法及仪器 Test Method and Equipments	检出限 Report Limit
⑤硫酸钴 Cobalt(II) sulphate	参考 Refer to US EPA 3052:1996 & in-house method/ICP-OES & IC	0.01%
⑤硝酸钴 Cobalt(II) dinitrate	参考 Refer to US EPA 3052:1996 & in-house method/ICP-OES & IC	0.01%
⑤碳酸钴 Cobalt(II) carbonate	参考 Refer to US EPA 3052:1996 & in-house method/ICP-OES & IC	0.01%
⑤醋酸钴 Cobalt(II) diacetate	参考 Refer to US EPA 3052:1996 & in-house method/ICP-OES & IC	0.01%
乙二醇单甲醚2-Methoxyethanol	参考 Refer to US EPA 3550C:2007 /GC-MS	0.005%
乙二醇单乙醚2-Ethoxyethanol	参考 Refer to US EPA 3550C:2007 /GC-MS	0.005%
⑤三氧化铬Chromium trioxide	参考 Refer to US EPA3052:1996 & US EPA3060A:1996/ ICP-OES & UV-Vis	0.01%
⑤从三氧化铬产生的酸类以及它们的齐聚物: 铬酸、重铬酸、铬酸和重铬酸的齐聚物 Acids generated from chromium trioxide and their oligomers: Chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid	参考 Refer to US EPA3052:1996 & US EPA3060A:1996/ ICP-OES & UV-Vis	0.01%

# 检测报告

## Test Report

报告编号 :RLSD1105301026405003  
Report No.:RLSD1105301026405003

第 7 页 共 17 页  
Page 7 of 17

### 物质信息 Substance Information:

物质名称 Substance Name(s)	CAS 号 CAS No.	EC 号 EC No.	分类 Classification
蒽 Anthracene	120-12-7	204-371-1	持久性, 生物累积性和毒性物质 PBT
4,4'-二氨基二苯基甲烷 4,4'- Diaminodiphenylmethane	101-77-9	202-974-4	第2类致癌性物质 Carcinogen, cat. 2
邻苯二甲酸二丁酯 Dibutyl phthalate(DBP)	84-74-2	201-557-4	第2类生殖系统毒性物质 Carcinogen, cat. 2
二氯化钴* Cobalt dichloride*	7646-79-9	231-589-4	第 2 类致癌性物质 Carcinogen, cat.2
五氧化二砷* Diarsenic pentaoxide*	1303-28-2	215-116-9	第1类致癌性物质 Carcinogen, cat.1
三氧化二砷* Diarsenic trioxide*	1327-53-3	215-481-4	第1类致癌性物质 Carcinogen, cat.1
重铬酸钠* Sodium dichromate*	7789-12-0 /10588-01-9	234-190-3	第2类致癌性物质 第2类致畸性物质 第2类生殖系统毒性物质 Carcinogen, cat.2 Mutagen, cat.2 Toxic for reproduction,cat.2
二甲苯麝香 Musk xylene	81-15-2	201-329-4	高持久性和高度生物累积性物质 vPvB
邻苯二甲酸(2-乙基己基)酯 Bis(2-ethyl(hexyl)phthalate)(DEHP)	117-81-7	204-211-0	第2类生殖系统毒性物质 Toxic for reproduction,cat.2
六溴环十二烷 Hexabromocyclododecane (HBCDD)	25637-99-4/ 3194-55-6	247-148-4/ 221-695-9	持久性, 生物累积性和毒性物质 PBT
短链氯化石蜡 Short Chain Chlorinated Paraffins (SCCPs)	85535-84-8	287-476-5	持久性, 生物累积性和毒性物质; 高持久性和高度生物累积性物质PBT,vPvB
三丁基氧化锡* Bis(tributyltin)oxide (TBTO)*	56-35-9	200-268-0	持久性, 生物累积性和毒性物质 PBT

# 检测报告

## Test Report

报告编号 :RLSD1105301026405003

Report No.:RLSD1105301026405003

第 8 页 共 17 页

Page 8 of 17

### 物质信息 Substance Information:

物质名称 Substance Name(s)	CAS 号 CAS No.	EC 号 EC No.	分类 Classification
砷酸氢铅* Lead hydrogen arsenate*	7784-40-9	232-064-2	第1类致癌性物质 第1类生殖系统毒性物质 Carcinogen, cat.1 Toxic for reproduction, cat.1
邻苯二甲酸丁基苄酯 (BBP) Benzyl butyl phthalate(BBP)	85-68-7	201-622-7	第2类生殖系统毒性物质 Toxic for reproduction, cat.2
三乙基砷酸酯* Triethyl arsenate*	15606-95-8	427-700-2	第1类致癌性物质 Carcinogen, cat.1
①蒽油 Anthracene oil	90640-80-5	292-602-7	持久性,生物积累性和毒性物质PBT
①蒽油,蒽糊,轻油 Anthracene oil, anthracene paste, distn. Lights ****	91995-17-4	295-278-5	持久性,生物积累性和毒性物质PBT
①蒽油,蒽糊,蒽馏分 Anthracene oil, anthracene paste,anthracene fraction	91995-15-2	295-275-9	持久性,生物积累性和毒性物质PBT
①蒽油,含蒽量少 Anthracene oil, anthracene-low	90640-82-7	292-604-8	持久性,生物积累性和毒性物质PBT
①蒽油,蒽糊 Anthracene oil, anthracene paste	90640-81-6	292-603-2	持久性,生物积累性和毒性物质PBT
①煤焦油沥青,高温 Coal tar pitch, high temperature	659969-93-2	266-028-2	持久性,生物积累性和毒性物质; 第2类致癌性物质 PBT;Carcinogen,cat.2
②硅酸铝耐火陶瓷纤维 Aluminosilicate, Refractory Ceramic Fibres	-	650-017-00-8**	第2类致癌性物质 Carcinogen, cat.2

# 检测报告

## Test Report

报告编号 :RLSD1105301026405003  
Report No.:RLSD1105301026405003

第 9 页 共 17 页  
Page 9 of 17

### 物质信息 Substance Information:

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<sup>®</sup> 氧化锆硅酸铝耐火陶瓷纤维 Zirconia Aluminosilicate, Refractory Ceramic Fibres	-	650-017-00-8**	第2类致癌性物质 Carcinogen, cat.2
2,4-二硝基甲苯 2,4-Dinitrotoluene(DNT)	121-14-2	204-450-0	第2类致癌性物质 Carcinogen, cat.2
丙烯酰胺 Acrylamide	79-06-1	201-173-7	第2类致癌性物质;第2类致畸性物质 Carcinogen, cat.2;Mutagen, cat.2
邻苯二甲酸二异丁酯 Diisobutyl phthalate (DIBP)	84-69-5	201-553-2	第2类生殖系统毒性物质 Toxic for reproduction, cat.2
<sup>®</sup> 铬酸铅 Lead chromate	7758-97-6	231-846-0	第2类致癌性物质;第1类生殖系统毒性物质 Carcinogen, cat.2; Toxic for reproduction, cat.1
<sup>®</sup> 钼铬红(C.I.颜料红 104) Lead chromate molybdate sulphate red (C.I. Pigment Red 104)***	12656-85-8	235-759-9	第2类致癌性物质;第1类生殖系统毒性物质 Carcinogen, cat.2; Toxic for reproduction, cat.1
<sup>®</sup> 铅铬黄(C.I.颜料黄 34) Lead sulfchromate yellow (C.I. Pigment Yellow 34)***	1344-37-2	215-693-7	第2类致癌性物质;第1类生殖系统毒性物质 Carcinogen, cat.2; Toxic for reproduction, cat.1
磷酸(三 2-氯乙基)酯 Tris(2-chloroethyl)phosphate (TCEP)	115-96-8	204-118-5	第2类生殖系统毒性物质 Toxic for reproduction, cat.2

# 检测报告

## Test Report

报告编号 :RLSD1105301026405003  
Report No.:RLSD1105301026405003

第 10 页 共 17 页  
Page 10 of 17

### 物质信息 Substance Information:

物质名称 Substance Name(s)	CAS 号 CAS No.	EC 号 EC No.	分类 Classification
三氯乙烯 Trichloroethylene	79-01-6	201-167-4	第2类致癌性物质 Carcinogen, cat.2
③硼酸 Boric acid	233-139-2 234-343-4	10043-35-3 11113-50-1	第2类生殖系统毒性物质 Toxic for reproduction,cat2
③四硼酸钠, 无水***** Disodium tetraborate, anhydrous*****	215-540-4	1330-43-4 12179-04-3 1303-96-4	第2类生殖系统毒性物质 Toxic for reproduction,cat2
③四硼酸钠, 水合物***** Tetraboron disodium heptaoxide, hydrate*****	235-541-3	12267-73-1	第2类生殖系统毒性物质 Toxic for reproduction,cat2
④铬酸钠 Sodium chromate	231-889-5	7775-11-3	第2类致癌性物质; 第2类致畸性物质; 第2类生殖系统毒性物质 Carcinogen, cat.2; Mutagenic cat2; Toxic for reproduction,cat2
④铬酸钾 Potassium chromate	232-140-5	7789-00-6	第2类致癌性物质; 第2类致畸性物质Carcinogen, cat.2; Mutagenic cat2
④重铬酸铵 Ammonium dichromate	232-143-1	7789-09-5	第2类致癌性物质; 第2类致畸性物质; 第2类生殖系统毒性物质 Carcinogen, cat.2; Mutagenic cat2; Toxic for reproduction,cat2
④重铬酸钾 Potassium dichromate	231-906-6	7778-50-9	第2类致癌性物质; 第2类致畸性物质; 第2类生殖系统毒性物质 Carcinogen, cat.2; Mutagenic cat2; Toxic for reproduction,cat2

# 检测报告

## Test Report

报告编号 :RLSD1105301026405003  
Report No.:RLSD1105301026405003

第 11 页 共 17 页  
Page 11 of 17

**物质信息 Substance Information:**

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<sup>⑤</sup> 硫酸钴 Cobalt(II) sulphate	10124-43-3	233-334-2	第2类生殖系统毒性物质; 第2类致癌性物质 Toxic for reproduction,cat.2 Carcinogen, cat 2
<sup>⑤</sup> 硝酸钴 Cobalt(II) dinitrate	10141-05-6	233-402-1	第2类生殖系统毒性物质; 第2类致癌性物质 Toxic for reproduction,cat.2 Carcinogen, cat 2
<sup>①</sup> 碳酸钴 Cobalt(II) carbonate	513-79-1	208-169-4	第2类生殖系统毒性物质; 第2类致癌性物质 Toxic for reproduction,cat.2 Carcinogen, cat 2
<sup>⑤</sup> 醋酸钴 Cobalt(II) diacetate	71-48-7	200-755-8	第 2 类生殖系统毒性物质; 第 2 类致癌性物质 Toxic for reproduction,cat2 Carcinogen, cat 2
乙二醇单甲醚2-Methoxyethanol	109-86-4	203-713-7	第 2 类生殖系统毒性物质 Toxic for reproduction, cat 2
乙二醇单乙醚2-Ethoxyethanol	110-80-5	203-804-1	第 2 类生殖系统毒性物质 Toxic for reproduction, cat 2
<sup>⑤</sup> 三氧化铬Chromium trioxide	1333-82-0	215-607-8	第 1 类致癌性物质; 第 2 类致畸性物质 Carcinogen, cat 1; Mutagenic cat 2
<sup>⑤</sup> 从三氧化铬产生的酸类以及它们的齐聚物: 铬酸、重铬酸、铬酸和重铬酸的齐聚物 Acids generated from chromium trioxide and their oligomers: Chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid	7738-94-5 13530-68-2	231-801-5 236-881-5	第 2 类致癌性物质 Carcinogen, cat 2

# 检测报告

## Test Report

报告编号 :RLSD1105301026405003

Report No.:RLSD1105301026405003

第 12 页 共 17 页

Page 12 of 17

### 检测结果 Test Result(s):

物质名称 Substance Name(s)	浓度 Concentration (%)
蒽 Anthracene	N.D.
4,4'-二氨基二苯基甲烷 4,4'- Diaminodiphenylmethane	N.D.
邻苯二甲酸二丁酯 Dibutyl phthalate(DBP)	N.D.
二氯化钴* Cobalt dichloride*	N.D.
五氧化二砷* Diarsenic pentaoxide*	N.D.
三氧化二砷* Diarsenic trioxide*	N.D.
重铬酸钠* Sodium dichromate*	N.D.
二甲苯麝香 Musk xylene	N.D.
邻苯二甲酸(2-乙基己基)酯 Bis(2-ethyl(hexyl)phthalate)(DEHP)	N.D.
六溴环十二烷 Hexabromocyclododecane (HBCDD)	N.D.
短链氯化石蜡 Short Chain Chlorinated Paraffins(SCCPs)	N.D.
三丁基氧化锡*Bis(tributyltin)oxide (TBTO)*	N.D.
砷酸氢铅*Lead hydrogen arsenate*	N.D.
邻苯二甲酸丁基苯酯(BBP) Benzyl butyl phthalate(BBP)	N.D.
三乙基砷酸酯* Triethyl arsenate*	N.D.
<sup>①</sup> 蒽油 Anthracene oil	N.D.
<sup>①</sup> 蒽油,蒽糊,轻油****Anthracene oil, anthracene paste, distn. Lights ****	N.D.
<sup>①</sup> 蒽油,蒽糊,蒽馏分 Anthracene oil, anthracene paste, anthracene fraction	N.D.
<sup>①</sup> 蒽油,含蒽量少 Anthracene oil, anthracene-low	N.D.
<sup>①</sup> 蒽油,蒽糊 Anthracene oil, anthracene paste	N.D.
<sup>①</sup> 煤焦油沥青,高温 Coal tar pitch, high temperature	N.D.
<sup>②</sup> 硅酸铝耐火陶瓷纤维 Aluminosilicate, Refractory Ceramic Fibres	N.D.
<sup>②</sup> 氧化锆硅酸铝耐火陶瓷纤维 Zirconia Aluminosilicate, Refractory Ceramic Fibres	N.D.
2,4-二硝基甲苯 2,4-Dinitrotoluene(DNT)	N.D.
丙烯酰胺 Acrylamide	N.D.
邻苯二甲酸二异丁酯 Diisobutyl phthalate (DIBP)	N.D.
<sup>②</sup> 铬酸铅 Lead chromate	N.D.
<sup>②</sup> 钼铬红(C.I.颜料红 104) Lead chromate molybdate sulphate red (C.I. Pigment Red 104)***	N.D.
<sup>②</sup> 铅铬黄(C.I.颜料黄 34)Lead sulfochromate yellow(C.I. Pigment Yellow 34)***	N.D.
磷酸(三-2-氯乙基)酯 Tris(2-chloroethyl)phosphate (TCEP)	N.D.

# 检测报告

## Test Report

报告编号 :RLSD1105301026405003

Report No.:RLSD1105301026405003

检测结果 Test Result(s):

第 13 页 共 17 页

Page 13 of 17

物质名称 Substance Name(s)	浓度 Concentration (%)
三氯乙烯 Trichloroethylene	N.D.
<sup>③</sup> 硼酸 Boric acid	N.D.
<sup>③</sup> 四硼酸钠, 无水***** Disodium tetraborate, anhydrous*****	N.D.
<sup>③</sup> 四硼酸钠, 水合物***** Tetraboron disodium heptaoxide, hydrate*****	N.D.
<sup>④</sup> 铬酸钠 Sodium chromate	N.D.
<sup>④</sup> 铬酸钾 Potassium chromate	N.D.
<sup>④</sup> 重铬酸铵 Ammonium dichromate	N.D.
<sup>④</sup> 重铬酸钾 Potassium dichromate	N.D.
<sup>⑤</sup> 硫酸钴 Cobalt(II) sulphate	N.D.
<sup>⑤</sup> 硝酸钴 Cobalt(II) dinitrate	N.D.
<sup>⑤</sup> 碳酸钴 Cobalt(II) carbonate	N.D.
<sup>⑤</sup> 醋酸钴 Cobalt(II) diacetate	N.D.
乙二醇单甲醚 2-Methoxyethanol	N.D.
乙二醇单乙醚 2-Ethoxyethanol	N.D.
<sup>⑤</sup> 三氧化铬 Chromium trioxide	N.D.
<sup>⑤</sup> 从三氧化铬产生的酸类以及它们的齐聚物: 铬酸、重铬酸、铬酸和重铬酸的齐聚物 Acids generated from chromium trioxide and their oligomers: Chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid	N.D.

# 检测报告

## Test Report

报告编号 :RLSD1105301026405003

Report No.:RLSD1105301026405003

第 14 页 共 17 页

Page 14 of 17

### 注释 Note:

-N.D. = 未检出 Not Detected (小于检出限 report limit)

-0.1%(w/w)=1000ppm=1000mg/kg

- PBT= Persistent,Bioaccumulative,Toxic; vPvB=very Persistent very Bioaccumulative

-\*: 二氯化钴浓度值是由钴(Co)和氯(Cl)测试结果换算而来。

五氧化二砷、三氧化二砷、重铬酸钠、砷酸氢铅、三乙基砷酸酯的浓度值是由物质中的重金属测试结果换算而来。

三丁基氧化锡是由三丁基锡结果换算而来。

-\*: Concentration value of Cobalt dichloride by the conversion from the test results of Cobalt and Chlorine.

Concentration value of Diarsenic pentaoxide, Diarsenic trioxide, Sodium dichromate, Lead hydrogen arsenate, Triethyl arsenate by the conversion from the test results of corresponding heavy metal.

Concentration value of Bis(tributyltin)oxide by the conversion from the test results of Tributyl Tins.

-\*\*: 在化学物质及其混合物的分类, 标记与包装法规, 即 CLP 法规(法规(EC)No 1272/2008)的附录 VI 中, 索引号 650-017-00-8 适用于所有的耐火陶瓷纤维材料。

All refractory ceramic fibres are covered by index number 650-017-00-8 in Annex VI of the Regulation on Classification, Labeling and Packaging of chemical substances and mixtures, the so called CLP Regulation (Regulation (EC) No 1272/2008).

-\*\*\*C.I.: 颜料索引号 Colour Index

-\*\*\*\*: 蒸馏所分离出来的轻油部分 Light fractions from distillation

-\*\*\*\*\*: 四硼酸钠, 无水和四硼酸钠, 水合物的浓度均由四硼酸钠浓度表示, 没有考虑结晶水。

Concentration value of Boric acid Disodium tetraborate, anhydrous and Tetraboron disodium heptaoxide, hydrate is evaluated by Disodium tetraborate, with no consider of the hydrate.

-<sup>①</sup>: 由于这些物质是 UVCB 物质(未知成分或可变成成分的, 复杂反应物或生物材料的物质), 由各种不同的成分组成, 所以这些物质的测试结果是由选定的具有代表性的物质的主要组成成分的测试结果换算而来的。

In view of the substances are established as UVCB substances (substances of unknown or variable composition, complex reaction products or biological materials) consisting of different and variable constituents, the test results are calculated based on the main constituents of the representative compounds for substances.

-<sup>②</sup>: 由于此物质含有多种物质, 测试结果是基于此物质中最具有代表性的主要组成化合物的含量, 其主要造成化合物的测试结果是基于特定的重金属元素的浓度换算而来。

In view of the substance contain variable substances, the test results are calculated based on main constituents of the representative compounds for the substances, and the test results of the

# 检测报告

## Test Report

报告编号 :RLSD1105301026405003  
Report No.:RLSD1105301026405003

第 15 页 共 17 页  
Page 15 of 17

representative compounds are calculated based on the result of specified heavy metal elements.

-<sup>③</sup>: 硼酸; 四硼酸钠, 无水; 四硼酸钠, 水合物的浓度值是由物质中的金属元素测试结果换算而来, 并用适当溶剂萃取进行确认, 同时建议客户检查化学配方表进一步确认是否含有上述化合物。

Concentration value of Boric acid;Disodium tetraborate, anhydrous;Tetraboron disodium heptaoxide, hydrate are calculated by the conversion from the test results of corresponding metals and confirmed by appropriate solvent extraction, meanwhile the book of materials is suggested to be checked for further confirmation.

-<sup>④</sup>: 铬酸钠; 铬酸钾; 重铬酸铵和重铬酸钾的浓度值是由物质中的金属元素测试结果换算而来。  
Concentration value of Sodium chromate;Potassium chromate;Ammonium dichromate; Potassium dichromate are calculated by the conversion from the test results of corresponding metals.

<sup>⑤</sup>: 硫酸钴、硝酸钴、碳酸钴、醋酸钴、三氧化铬、铬酸、重铬酸、铬酸和重铬酸的齐聚物是由物质中的重金属测试结果换算而来, 并用适当溶剂萃取进行确认, 同时建议客户检查化学配方表进一步确认是否含有上述化合物。

Concentration values of Cobalt(II) sulphate, Cobalt(II) dinitrate, Cobalt(II) carbonate, Cobalt(II) diacetate, Chromium trioxide, Chromic acid, Dichromic acid, and Oligomers of chromic acid and dichromic acid are calculated by the conversion from the test results of corresponding heavy metals and confirmed by appropriate solvent extraction, meanwhile the book of materials is suggested to be checked for further confirmation.

### 附加信息Appendix:

1. 依据法规(EC) No 1907/2006(REACH)第 33 条规定——有责任交流物品当中有关物质的信息。

**According to the Article 33 of the Regulation (EC) No 1907/2006 (REACH)-Duty to communicate information on substances in articles.**

—物品中所含有的某一物质若符合第 57 条的标准且被鉴定依照第 59 条 (1) 该物质在物品中的浓度在重量比 (w/w) 0.1% 以上, 其供应方需向接收方提供此物品的详细信息, 若可以, 还需提供包括至少物质名称在内的可获取的物质安全使用信息。

Any supplier of an article containing a substance meeting the criteria in Article 57 and identified in accordance with Article 59(1) in a concentration above 0.1 % weight by weight (w/w) shall provide the recipient of the article with sufficient information, available to the supplier, to allow safe use of the article including, as a minimum, the name of that substance.

—根据消费者要求, 物品中所含有的某一物质若符合第57条的标准且被鉴定依照第59条 (1) 该物质在物品中的浓度在重量比 (w/w) 0.1% 以上, 其供应方需向消费者提供此物品的详细信息, 若可以, 还需提供包括至少物质名称在内的可获取的物质安全使用信息。有关信息需在请求后45天内免费提供。

On request by a consumer any supplier of an article containing a substance meeting the criteria in Article 57

# 检测报告

## Test Report

报告编号 :RLSD1105301026405003  
Report No.:RLSD1105301026405003

第 16 页 共 17 页  
Page 16 of 17

and identified in accordance with Article 59(1) in a concentration above 0,1 % weight by weight (w/w) shall provide the consumer with sufficient information, available to the supplier, to allow safe use of the article including, as a minimum, the name of that substance. The relevant information shall be provided, free of charge, within 45 days of receipt of the request.

### 2. 依据法规(EC) No 1907/2006(REACH)第 33 条规定——通告物品中所含有的物质。

**According to the Article 33 of the Regulation (EC) No 1907/2006 (REACH)- Notification of the Substance in Article.**

如果某一物质符合第 57 条的标准且依照第 59 条 (1) 被鉴定, 该物品所含有的物质列入了候选名单中, 其 EU 和 EEA 生产商或者进口商必须告之 ECHA (欧盟化学品管理局)。若此物质显示超过了 0.1% 重量比 (w/w) 且其生产/进口数量每年总计在 1 吨以上, 生产商和进口商有义务进行通报。

If a substance meets the criteria in Article 57 and is identified in accordance with Article 59(1), EU and EEA producers or importers of articles have to notify ECHA when their article contains a substance on the Candidate List. This obligation applies if the substance is present above 0.1% (w/w) and its quantities in the produced/imported articles are above 1 tonne in total per year.

### 3. 依据法规(EC) No 1907/2006(REACH)的其他条例规定, 有义务提供物质本身的信息或者在配制品中的信息。According to the other articles of the Regulation (EC) No 1907/2006 (REACH), The relevant obligation for the substance on its own or in preparation.

#### ——义务: 物质 OBLIGATIONS: SUBSTANCES

从2008年10月28日开始, 当物质列入候选名单时, 其EU&EEA供应方必须提供给客户安全数据清单。From 28 October 2008, EU & EEA suppliers of a substance have to provide a safety data sheet to their customers when the substance is on the Candidate List.

#### ——义务: 配制品 OBLIGATIONS: PREPARATIONS

从2008年10月28日开始, 根据指令1999/45/EC, 没有划分为危险品的配制品, 其EU和EEA供应商必须提供给接收方的, 若配制品中含有至少一种列入清单中的物质, 其浓度不超过非气态性配制品的重量比 (w/w) 0.1%, 且不超过气态性配制品的体积比0.2%, 可以根据接受方的要求, 提供安全数据清单。From 28 October 2008, EU and EEA suppliers of a preparation not classified as dangerous according to Directive 1999/45/EC have to provide the recipients, at their request, with a safety data sheet if the preparation contains at least one substance on the Candidate List and its individual concentration is at least 0.1% (w/w) for non gaseous preparations and at least 0.2% by volume for gaseous preparations.

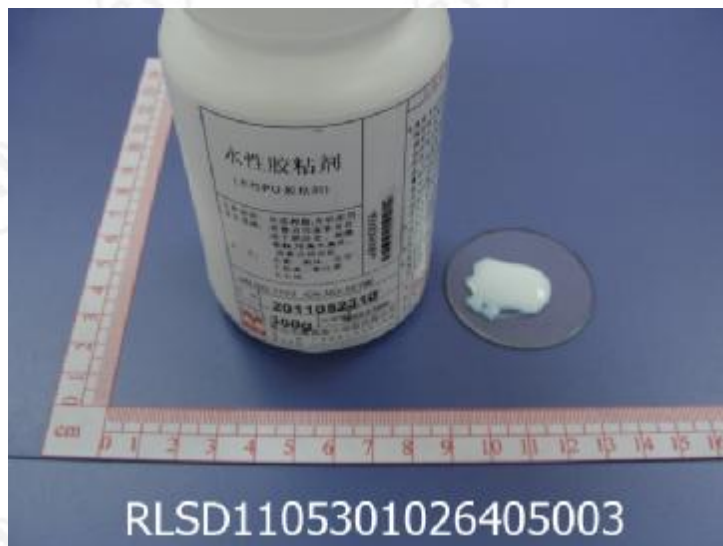
## 检测报告 Test Report

报告编号 :RLSD1105301026405003  
Report No.:RLSD1105301026405003

第 17 页 共 17 页  
Page 17 of 17

### 样品图片

### Photo(s) of the sample(s)



\*\*\* 报告结束 \*\*\*

\*\*\* End of report \*\*\*

本报告无 CTI 盖章无效。本报告不得修改、增加或删除。此结果只对本次受测样品的结果负责。未经 CTI 书面同意，不得部分复制本报告，亦不可作为宣传品使用。

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