

测试报告 (SVHC)

No. SHAOGC1709210502

日期: 2017年05月12日 第1页,共14页

江苏索普化工股份有限公司
江苏省镇江市谏壁镇越河街50号

以下测试之样品是由申请者所提供及确认: 偶氮二甲酰胺(发泡剂ADC)

SGS工作编号: OPCSH1701200 - SH

样品接收日期: 2017年05月08日

测试周期: 2017年05月08日 - 2017年05月12日

测试要求: 根据客户要求,

(i) 基于欧洲化学品管理署截止2017年1月12日公布的供授权审议的高关注物质候选清单(根据欧盟第1907/2006号REACH法规), 对所选高关注物质(SVHC)进行筛分测试。

测试结果: 请参见下一页

通标标准技术服务(上海)有限公司
授权签名

Marry Ma 马广媛
批准签署人



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备注:

- (1) 本报告所涉及的关于特定高关注物质的化学分析是根据欧洲化学品管理署发布的下列文件, 利用现有的分析技术完成的。

<http://echa.europa.eu/web/guest/candidate-list-table>

这些文件清单由欧洲化学品管理署评估, 将来可能会有变化。

- (2) 关于物品:

根据欧盟第1907/2006 (EC) 号法规, 如果满足以下两个条件, 如果物质符合第57条中的标准并根据第59条第一款被确定, 物品的任何欧洲制造商或进口商应根据第7条第4款向欧盟化学品管理署进行通报: (a) 候选清单中的物质在物品中的总含量超过1吨/年/生产商或进口商; (b) 候选清单中的物质在物品中的总含量以质量分数计超过0.1% 的浓度。

欧盟第1907/2006 (EC) 号法规第33条规定, 含有满足第57条中的标准并根据第59条第一款被确定且质量分数大于0.1%的物质的物品的所有供应商应向物品接受者提供其可获取的充足信息, 以使物品使用安全, 这些信息至少包括含有的候选清单中物质的名称。

SGS采用欧盟法院对REACH物品定义的裁定, 除非另有说明。详细的解释请见下列网址:

<http://www.sgs.com/-/media/global/documents/technical-documents/technical-bulletins/sgs-crs-position-statement-on-svhc-in-articles-a4-en-16-06.pdf?la=en>

- (3) 关于材料:

报告中的测试结果是基于测试样品。如样品是均一材质, 当其构成成品时, 此结果不能代表成品中的SVHC浓度。如样品为均一材质等比例合测, 这些材质也可能来自不同的物品。

如果样品是一种物质或混合物, 并且直接出口到欧盟, 客户有责任遵守欧盟第1907/2006号REACH法规第31条供应链信息传递的义务和附件十四中的授权高关注物质授权的责任。

- (4) 关于物质和配制品:

如果样品中高关注物质的浓度超过0.1% (w/w) 和/或欧盟第1272/2008号CLP法规和欧盟委员会条例第790/2009号中设定的特殊浓度限值, 建议客户根据欧盟第1907/2006号REACH法规对有关高关注物质准备安全数据表(SDS)以符合供应链传递信息的义务, 如:

- 根据欧盟第1272/2008号CLP法规被列为有害物质。

- 根据危险混合物指令1999/45/EC或欧盟第1272/2008号CLP法规被列为危险混合物, 而其浓度大于或等于危险混合物指令1999/45/EC第3条(3)中规定的限制数值或欧盟第1272/2008号CLP法规附件六第3部分列出的较低值;或

- 根据危险混合物指令1999/45/EC并未列为危险混合物, 但包含:

(a) 对人类健康或环境有害的物质, 而在固体或液体混合物 (即非气体混合物) 中其浓度 $\geq 1\%$ (w/w) 或在气体混合物中占体积 $\geq 0.2\%$, 或

(b) PBT或vPvB物质, 在固体或液体混合物 (即非气体混合物) 中浓度 $\geq 0.1\%$ (w/w), 或

(c) 授权审议的高关注物质候选清单上的物质 (除上述以外的原因) 在非气体混合物中的浓度 $\geq 0.1\%$



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(w/w), 或
(d) 设有欧洲范围内工作场所接触限值的物质。

(5) 如果样品中SVHC的测试结果超过报告限, 建议客户进一步定量分析检测含有SVHC的组分并且得到SVHC物质的准确浓度。

测试样品:

测试样品描述:

样品编号	SGS样品ID	描述	测试SVHC数目
SN1	SHA17-092105.001	黄色粉末	172

测试方法:

SGS内部方法-SHTC-CHEM-SOP-97-T, SHTC-CHEM-SOP-302-T, 采用 ICP-OES、UV-VIS、GC-MS、HPLC-DAD/MS 和比色法分析。



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测试结果: (SVHC候选清单中的高关注物质)

批次	物质名称	CAS No.	001 浓度 (%)	RL (%)
-	所有测试的候选清单中的SVHC	-	ND	-

注释:

- (1) 上表仅显示检出的SVHC, 低于RL的SVHC没有列出。所有测试的SVHC请参见附录
- (2) RL = 报告极限值, 所有RL是基于均一材质的测试。
ND = 未检出 (< RL), ND针对SVHC物质。
- (3) Δ 六溴环十二烷(HBCDD) 的非对映异构体 α -HBCDD、 β -HBCDD、 γ -HBCDD的CAS NO分别为134237-50-6, 134237-51-7, 134237-52-8。
☆甲基六氢邻苯二甲酸酐, 4-甲基六氢邻苯二甲酸酐, 1-甲基六氢邻苯二甲酸酐, 3-甲基六氢邻苯二甲酸酐的CAS No: 25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9; 及其EC No: 247-094-1, 243-072-0, 256-356-4, 260-566-1.
- (4) * 测试结果是由选定的元素或标记物的结果并基于最坏的情况计算得出。详细信息请参见SGS REACH网站: www.reach.sgs.com/substance-of-very-high-concern-analysis-information-page.htm
硼化合物的结果由ICP-OES测试的总硼(液体, 粉末, 膏体类样品)和水提取(其他样品)的硼元素结果换算得出。
RL = 0.005% 是针对元素(例如钴、砷、铅、铬(VI)、铝、锆、硼、镉、锌、镱、钛、钡和镉), 除了钼的RL= 0.0005%, 硼的RL= 0.0025%(仅对四氟硼酸铅)。
- (5) § 只有当物质包含米氏酮(CAS No.: 90-94-8)或米氏碱(CAS No.: 101-61-1)的浓度 $\geq 0.1\%(w/w)$ 的情况下, 该物质才被提议定为SVHC。



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附录

所有测试的SVHC:

批次	序号	物质名称	CAS No.	RL (%)	样品ID
I	1	4,4'-二氨基二苯甲烷(MDA)	101-77-9	0.050	001
I	2	2,4,6-三硝基-5-叔丁基间二甲苯(二甲苯麝香)	81-15-2	0.050	001
I	3	C10-13 氯代烃(短链氯化石蜡)	85535-84-8	0.050	001
I	4	蒽	120-12-7	0.050	001
I	5	邻苯二甲酸丁苄酯(BBP)	85-68-7	0.050	001
I	6	邻苯二甲酸二(2-乙基己基)酯(DEHP)	117-81-7	0.050	001
I	7	氧化双三丁基锡(TBTO)	56-35-9	0.050	001
I	8	二氯化钴*	7646-79-9	0.005	001
I	9	五氧化二砷*	1303-28-2	0.005	001
I	10	三氧化二砷*	1327-53-3	0.005	001
I	11	邻苯二甲酸二丁酯(DBP)	84-74-2	0.050	001
I	12	六溴环十二烷(HBCDD) 及其非对映异构体(α -HBCDD, β -HBCDD, γ -HBCDD) Δ	25637-99-4, 3194-55-6	0.050	001
I	13	砷酸氢铅*	7784-40-9	0.005	001
I	14	重铬酸钠*	7789-12-0, 10588-01-9	0.005	001
I	15	三乙基砷酸酯*	15606-95-8	0.005	001
II	16	2,4-二硝基甲苯	121-14-2	0.050	001
II	17	丙烯酰胺	79-06-1	0.050	001
II	18	蒽油*	90640-80-5	0.050	001
II	19	蒽油, 蒽糊*	90640-81-6	0.050	001
II	20	蒽油, 蒽糊, 蒽馏分*	91995-15-2	0.050	001



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附录

所有测试的SVHC:

批次	序号	物质名称	CAS No.	RL (%)	样品ID
II	21	葱油, 葱糊, 轻油*	91995-17-4	0.050	001
II	22	葱油, 含葱量少*	90640-82-7	0.050	001
II	23	邻苯二甲酸二异丁酯	84-69-5	0.050	001
II	24	铬酸铅*	7758-97-6	0.005	001
II	25	钼铬红(C.I.颜料红104)*	12656-85-8	0.005	001
II	26	铅铬黄(C.I.颜料黄34)*	1344-37-2	0.005	001
II	27	沥青, 煤焦油, 高温*	65996-93-2	0.050	001
II	28	磷酸三(2-氯乙基)酯	115-96-8	0.050	001
III	29	重铬酸铵*	7789-09-5	0.005	001
III	30	硼酸*	10043-35-3, 11113-50-1	0.005	001
III	31	无水四硼酸钠*	1303-96-4, 1330-43-4, 12179-04-3	0.005	001
III	32	铬酸钾*	7789-00-6	0.005	001
III	33	重铬酸钾*	7778-50-9	0.005	001
III	34	铬酸钠*	7775-11-3	0.005	001
III	35	水合硼酸钠*	12267-73-1	0.005	001
III	36	三氯乙烯	79-01-6	0.050	001
IV	37	乙二醇乙醚	110-80-5	0.050	001
IV	38	乙二醇单甲醚	109-86-4	0.050	001
IV	39	铬酸, 铬酸及重铬酸低聚物, 重铬酸*	7738-94-5 - 13530-68-2	0.005	001



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附录

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批次	序号	物质名称	CAS No.	RL (%)	样品ID
IV	40	三氧化铬*	1333-82-0	0.005	001
IV	41	碳酸钴*	513-79-1	0.005	001
IV	42	乙酸钴*	71-48-7	0.005	001
IV	43	硝酸钴*	10141-05-6	0.005	001
IV	44	硫酸钴*	10124-43-3	0.005	001
V	45	1,2,3-三氯丙烷	96-18-4	0.050	001
V	46	1,2-苯二酸-二(C6-8支链)烷基酯(富C7)	71888-89-6	0.050	001
V	47	1,2-苯二酸-二(C7-11支链与直链)烷基(醇)酯	68515-42-4	0.050	001
V	48	1-甲基-2-吡咯烷酮	872-50-4	0.050	001
V	49	乙二醇乙醚醋酸酯	111-15-9	0.050	001
V	50	联氨	7803-57-8, 302-01-2	0.050	001
V	51	铬酸锶*	7789-06-2	0.005	001
VI	52	1,2-二氯乙烷	107-06-2	0.050	001
VI	53	4,4'-二氨基-3,3'-二氯二苯甲烷	101-14-4	0.050	001
VI	54	2-甲氧基苯胺	90-04-0	0.050	001
VI	55	对特辛基苯酚	140-66-9	0.050	001
VI	56	硅酸铝耐火陶瓷纤维*	650-017-00-8 (Index no.)	0.005	001
VI	57	砷酸*	7778-39-4	0.005	001
VI	58	二乙二醇二甲醚	111-96-6	0.050	001
VI	59	邻苯二甲酸二甲氧基乙酯	117-82-8	0.050	001



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测试报告 (SVHC)

No. SHAOGC1709210502

日期: 2017年05月12日 第8页,共14页

附录

所有测试的SVHC:

批次	序号	物质名称	CAS No.	RL (%)	样品ID
VI	60	砷酸钙*	7778-44-1	0.005	001
VI	61	铬酸铬*	24613-89-6	0.005	001
VI	62	甲醛与苯胺的低聚物	25214-70-4	0.050	001
VI	63	叠氮化铅*	13424-46-9	0.005	001
VI	64	苦味酸铅*	6477-64-1	0.005	001
VI	65	史蒂芬酸铅*	15245-44-0	0.005	001
VI	66	N,N-二甲基乙酰胺	127-19-5	0.050	001
VI	67	氢氧化铬酸锌*	49663-84-5	0.005	001
VI	68	酚酞	77-09-8	0.050	001
VI	69	氢氧化铬酸锌钾*	11103-86-9	0.005	001
VI	70	砷酸铅*	3687-31-8	0.005	001
VI	71	氧化锆硅酸铝耐火陶瓷纤维*	650-017-00-8 (Index no.)	0.005	001
VII	72	C.I.碱性蓝26§	2580-56-5	0.050	001
VII	73	C.I.碱性紫3§	548-62-9	0.050	001
VII	74	三乙二醇二甲醚(TEGDME)	112-49-2	0.050	001
VII	75	乙二醇二甲醚(EGDME)	110-71-4	0.050	001
VII	76	4,4'-二(二甲氨基)二苯甲酮(米氏酮)	90-94-8	0.050	001
VII	77	4,4'-二(二甲氨基)-4''-甲氨基三苯甲醇§	561-41-1	0.050	001
VII	78	三氧化二硼*	1303-86-2	0.005	001
VII	79	甲酰胺	75-12-7	0.050	001



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测试报告 (SVHC)

No. SHAOGC1709210502

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附录

所有测试的SVHC:

批次	序号	物质名称	CAS No.	RL (%)	样品ID
VII	80	甲基磺酸铅*	17570-76-2	0.005	001
VII	81	N,N,N',N'-四甲基-4,4'-二氨基二苯甲烷(米氏碱)	101-61-1	0.050	001
VII	82	1,3,5-三(环氧乙基甲基)-1,3,5-三嗪-2,4,6-(1H, 3H,5H)-三酮(TGIC)	2451-62-9	0.050	001
VII	83	C.I.溶剂蓝4§	6786-83-0	0.050	001
VII	84	1,3,5-三-[(2S和2R)-2,3-环氧丙基]-1,3,5-三嗪-2,4,6-(1H, 3H, 5H)-三酮(β -TGIC)	59653-74-6	0.050	001
VIII	85	二盐基邻苯二甲酸铅*	69011-06-9	0.005	001
VIII	86	1,2-苯二酸-二(支链与直链)戊基酯	84777-06-0	0.050	001
VIII	87	乙二醇二乙醚	629-14-1	0.050	001
VIII	88	1-溴丙烷	106-94-5	0.050	001
VIII	89	3-乙基-2-甲基-2-(3-甲基丁基)-1,3-恶唑烷	143860-04-2	0.050	001
VIII	90	对特辛基苯酚乙氧基醚	-	0.050	001
VIII	91	4,4'-二氨基-3,3'-二甲基二苯甲烷	838-88-0	0.050	001
VIII	92	4,4'-二氨基二苯醚及其盐	101-80-4	0.050	001
VIII	93	4-氨基偶氮苯	60-09-3	0.050	001
VIII	94	2,4-二氨基甲苯	95-80-7	0.050	001
VIII	95	4-壬基(支链与直链)苯酚	-	0.050	001
VIII	96	2-甲氧基-5-甲基苯胺	120-71-8	0.050	001
VIII	97	碱式乙酸铅*	51404-69-4	0.005	001
VIII	98	4-氨基联苯	92-67-1	0.050	001
VIII	99	十溴二苯醚(DecaBDE)	1163-19-5	0.050	001



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测试报告
(SVHC)

No. SHAOGC1709210502

日期: 2017年05月12日 第10页,共14页

附录

所有测试的SVHC:

批次	序号	物质名称	CAS No.	RL (%)	样品ID
VIII	100	环己烷-1,2-二羧酸酐,顺式-环己烷-1,2-二羧酸酐,反式-环己烷-1,2-二羧酸酐	85-42-7, 13149-00-3, 14166-21-3	0.050	001
VIII	101	二丁基二氯化锡(DBTC)	683-18-1	0.050	001
VIII	102	硫酸二乙酯	64-67-5	0.050	001
VIII	103	邻苯二甲酸二异戊酯	605-50-5	0.050	001
VIII	104	硫酸二甲酯	77-78-1	0.050	001
VIII	105	地乐酚	88-85-7	0.050	001
VIII	106	双(十八烷基)二氧化三铅*	12578-12-0	0.005	001
VIII	107	C16-18-脂肪酸铅*	91031-62-8	0.005	001
VIII	108	呋喃	110-00-9	0.050	001
VIII	109	全氟十一烷酸	2058-94-8	0.050	001
VIII	110	全氟十四烷酸	376-06-7	0.050	001
VIII	111	甲基六氢邻苯二甲酸酐,4-甲基六氢邻苯二甲酸酐,1-甲基六氢邻苯二甲酸酐,3-甲基六氢邻苯二甲酸酐	☆	0.050	001
VIII	112	四氟硼酸铅*	13814-96-5	0.005	001
VIII	113	氨基氰铅盐*	20837-86-9	0.005	001
VIII	114	硝酸铅*	10099-74-8	0.005	001
VIII	115	一氧化铅*	1317-36-8	0.005	001
VIII	116	碱式硫酸铅*	12036-76-9	0.005	001
VIII	117	四氧化三铅*	1314-41-6	0.005	001
VIII	118	钛酸铅*	12060-00-3	0.005	001



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测试报告 (SVHC)

No. SHAOGC1709210502

日期: 2017年05月12日 第11页,共14页

附录

所有测试的SVHC:

批次	序号	物质名称	CAS No.	RL (%)	样品ID
VIII	119	钛酸铅铅*	12626-81-2	0.005	001
VIII	120	甲氧基乙酸	625-45-6	0.050	001
VIII	121	1,2-环氧丙烷	75-56-9	0.050	001
VIII	122	N,N-二甲基甲酰胺	68-12-2	0.050	001
VIII	123	N-甲基乙酰胺	79-16-3	0.050	001
VIII	124	邻苯二甲酸正戊基异戊基酯	776297-69-9	0.050	001
VIII	125	邻-氨基偶氮甲苯	97-56-3	0.050	001
VIII	126	2-氨基甲苯	95-53-4	0.050	001
VIII	127	全氟十三烷酸	72629-94-8	0.050	001
VIII	128	硫酸四氧化五铅*	12065-90-6	0.005	001
VIII	129	铅锑黄*	8012-00-8	0.005	001
VIII	130	掺杂铅的硅酸钡*	68784-75-8	0.005	001
VIII	131	硅酸铅*	11120-22-2	0.005	001
VIII	132	二碱式亚硫酸铅*	62229-08-7	0.005	001
VIII	133	四乙基铅*	78-00-2	0.005	001
VIII	134	硫酸三氧化四铅*	12202-17-4	0.005	001
VIII	135	全氟十二烷酸	307-55-1	0.050	001
VIII	136	碱式碳酸铅*	1319-46-6	0.005	001
VIII	137	二碱式亚磷酸铅*	12141-20-7	0.005	001
IX	138	4-壬基(支链与直链)苯酚乙氧基醚	-	0.050	001
IX	139	全氟辛酸铵(APFO)	3825-26-1	0.050	001



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测试报告
(SVHC)

No. SHAOGC1709210502

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附录

所有测试的SVHC:

批次	序号	物质名称	CAS No.	RL (%)	样品ID
IX	140	氧化镉*	1306-19-0	0.005	001
IX	141	镉*	7440-43-9	0.005	001
IX	142	邻苯二甲酸二正戊酯(DPP)	131-18-0	0.050	001
IX	143	全氟辛酸(PFOA)	335-67-1	0.050	001
X	144	硫化镉*	1306-23-6	0.005	001
X	145	邻苯二甲酸二正己酯	84-75-3	0.050	001
X	146	C.I.直接红28	573-58-0	0.050	001
X	147	C.I.直接黑38	1937-37-7	0.050	001
X	148	2-巯基咪唑啉	96-45-7	0.050	001
X	149	乙酸铅*	301-04-2	0.005	001
X	150	磷酸三二甲苯酯	25155-23-1	0.050	001
XI	151	邻苯二甲酸二(支链与直链)己基酯	68515-50-4	0.050	001
XI	152	氯化镉*	10108-64-2	0.005	001
XI	153	水合过硼酸钠*	-	0.005	001
XI	154	过硼酸钠*	7632-04-4	0.005	001
XII	155	2-(2H-苯并三唑-2-基)-4,6-二叔戊基苯酚(UV-328)	25973-55-1	0.050	001
XII	156	2-苯并三唑-2-基-4,6-二叔丁基苯酚(UV-320)	3846-71-7	0.050	001
XII	157	二正辛基-双(2-乙基己基巯基乙酸酯)锡(DOTE)	15571-58-1	0.050	001
XII	158	氟化镉*	7790-79-6	0.005	001
XII	159	硫酸镉*	10124-36-4,311 19-53-6	0.005	001



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测试报告
(SVHC)

No. SHAOGC1709210502

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附录

所有测试的SVHC:

批次	序号	物质名称	CAS No.	RL (%)	样品ID
XII	160	二正辛基-双(2-乙基己基巯基乙酸酯)锡(DOTE)和单辛基-三(2-乙基己基巯基乙酸酯)锡(MOTE)的反应物	-	0.050	001
XIII	161	1,2-苯二甲酸, 二(C6-10)烷基酯 / 1,2-苯二甲酸, 混合二己二辛二癸酯, 其中邻苯二甲酸二己酯含量≥0.3%	68515-51-5,686 48-93-1	0.050	001
XIII	162	5-二叔丁基-2-(2,4-二甲基环己-3-烯-1-基)-5-甲基-1,3-二恶烷[1], 5-二叔丁基-2-(4,6-二甲基环己-3-烯-1-基)-5-甲基-1,3-二恶烷[2] [任何[1]和[2]或者其任意组合的单独异构体或其任何组合]		0.050	001
XIV	163	1,3-丙磺酸内酯	1120-71-4	0.050	001
XIV	164	2,4-二叔丁基-6-(5-氯苯并三唑-2-基)苯酚(UV-327)	3864-99-1	0.050	001
XIV	165	2-(2H-苯并三唑-2-基)-4-叔丁基-6-仲丁基苯酚(UV-350)	36437-37-3	0.050	001
XIV	166	硝基苯	98-95-3	0.050	001
XIV	167	全氟壬酸及其钠盐和铵盐	375-95-1,21049 -39-8,4149-60-4	0.050	001
XV	168	苯并(a)芘	50-32-8	0.050	001
XVI	169	4,4'-异亚丙基联苯酚(双酚A)	80-05-7	0.050	001
XVI	170	4-庚基(支链与直链)苯酚	-	0.050	001
XVI	171	全氟癸酸(PFDA)及其钠盐和铵盐	3108-42-7 335-76-2 3830-45-3	0.050	001
XVI	172	对叔戊基苯酚	80-46-6	0.050	001



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测试报告 (SVHC)

No. SHAOGC1709210502

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