

检测报告

编号: EG161114017C01GVer.1.0

日期: 2016 年 11 月 17 日

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申请单位 : 杭州汉高新材料科技有限公司
地 址 : 杭州青山湖科技城大园路 958 号 A 幢 501

样品名称 : 热熔丁基胶
型 号 : H-888A
样品零件号 : /
车 型 : /
生产日期 : /
主 机 厂 : 众泰控股集团

样品接收日期 : 2016 年 11 月 14 日
样品检测周期 : 2016 年 11 月 14 日~2016 年 11 月 17 日

检测要求 : 根据 GB/T 30512-2014 《汽车禁用物质要求》的要求, 测定所提交样品中的铅(Pb)、镉(Cd)、汞(Hg)、六价铬(Cr⁶⁺)和非金属材料中多溴联苯(PBBs)、多溴二苯醚(PBDEs)的含量

检测方法 : 请参见后续页
检测结果 : 请参见后续页

谨代表
苏州市信测标准技术有限公司

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2016 年 11 月 17 日

This Test Report is issued by the Company subject to its Conditions of Issuance of Test Reports printed overleaf and is intended for your exclusive use. Attention is drawn to the limitations of liability, indemnification and jurisdictional policies defined therein. This test report includes all of the tests requested by you and the results thereof based upon the information that you provided. You have 30 days from date of issuance of this test report to notify us of any error or omission caused by our negligence, provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.

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1、检测结果概要

零部件样品编号	EG161114017C01
样品名称及描述	热熔丁基胶
零件号	/
样品照片	
检测结论	合格

注：合格：提交样品中有害物质的含量低于GB/T 30512-2014 的限值要求。

不合格：提交样品中一种或一种以上的有害物质含量高于GB/T 30512-2014的限值要求。

2、检测方法

2.1 根据客户要求，用 XRF 分析样品中有害有毒物质含量，根据 QC/T 941-2013，QC/T 942-2013，QC/T 943-2013，QC/T 944-2013，各种基材中受限元素的筛选限值见下表（单位：mg/kg）

元素	聚合物材料	金属材料	其他材料
铅(Pb)	$P \leq (700-3S) < X < (1300+3S) \leq F$	$P \leq (700-3S) < X < (1300+3S) \leq F$	$P \leq (500-3S) < X < (1500+3S) \leq F$
镉(Cd)	$P \leq (70-3S) < X < (130+3S) \leq F$	$P \leq (70-3S) < X < (130+3S) \leq F$	$LOD < X < (150+3S) \leq F$
汞(Hg)	$P \leq (700-3S) < X < (1300+3S) \leq F$	$P \leq (700-3S) < X < (1300+3S) \leq F$	$P \leq (500-3S) < X < (1500+3S) \leq F$
铬(Cr)	$P \leq (700-3S) < X$	$P \leq (500-3S) < X$	$P \leq (500-3S) < X$
溴(Br)	$P \leq (300-3S) < X$	/	$P \leq (250-3S) < X$

备注：P=低于限值

X=数值还需要进一步的研究

F=高于限值

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S=测定结果的标准偏差

LOD=检出限

XRF检出限: 金属材料50mg/kg,其他材料50mg/kg, 聚合物材料30mg/kg。

2.2 当用 XRF 检测无法判定样品是否合格时, 进一步用化学方法测试样品中有毒有害物质含量

测试项目	测试方法	测试仪器	方法检出限
铅 (Pb)	QC/T 943-2013	ICP-OES	2mg/kg
镉(Cd)	QC/T 943-2013	ICP-OES	2mg/kg
汞(Hg)	QC/T 941-2013	ICP-OES	2mg/kg
六价铬(Cr(VI))	QC/T 942-2013	UV-Vis	金属材料: /
			聚合物/其他材料: 2mg/kg
多溴联苯(PBBs)	QC/T 944-2013	GC-MS	5mg/kg
多溴二苯醚(PBDEs)	QC/T 944-2013	GC-MS	5mg/kg

3、检测设备

设备名称	厂 家	型 号	编 号	校准有效截止日期
XRF	SHIMADZU	EDX-LE	E-C-010	2017/09/01
ICP-OES	Agilent	720	E-C-007	2017/09/01
UV-Vis	SHIMADZU	UV-2600	E-V-011	2017/08/30
GC-MS	Agilent	7890B-5977A	E-C-001	2017/09/01

4、样品（拆解）清单

子样品编号	零件号	样品名称及描述	数量	材料
零部件: EG161114017C01				
01	/	热熔丁基胶	1pc	/

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5、检测结果

样品编号	样品描述	检测项目	标准要求	XRF 扫描结果 (mg/kg)	化学测试结果 (mg/kg)	结论
01	热熔丁基胶	铅(Pb)	≤1000 ppm	P	—	合格
		镉(Cd)	≤100 ppm	P	—	
		汞(Hg)	≤1000 ppm	P	—	
		六价铬(Cr(VI))①	≤1000 ppm	P	—	
		多溴联苯(PBBs)②	≤1000 ppm	P	—	
		多溴二苯醚(PBDEs)②	≤1000 ppm	P	—	

备注: -N.D.=未检出(小于方法检出限)

-mg/kg=ppm=百万分之一

-N.A.=不适用

- — =没有进行化学测试。

- # =XRF结果超过XRF筛选限值, 检测结果见化学测试。

- ▲ =不合格项

①阴性表示不含有六价铬, 即由表面积为50cm²的样品所萃取出来的溶液中, 测得六价铬的浓度小于0.02mg/L。

XRF扫描给出的是总铬结果而限用物质是六价铬(Cr(VI))。

②XRF扫描给出的是总溴结果而限用物质是多溴联苯PBBs和多溴二苯醚PBDEs。

GB/T 30512-2014 限值: Pb≤1000mg/kg, Cd≤100mg/kg, Hg≤1000mg/kg, Cr(VI)≤1000mg/kg,

PBBs≤1000mg/kg, PBDEs≤1000mg/kg。

合格=提交样品中有害物质的含量低于GB/T 30512-2014的限值要求。

不合格=提交样品中一种或一种以上的有害物质含量高于GB/T 30512-2014的限值要求。

6、湿化学测试流程图

Pb, Cd, Hg 测试流程:



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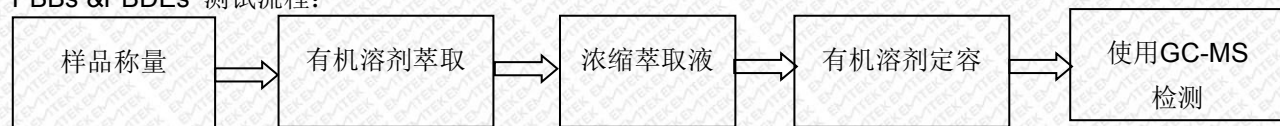
聚合物 Cr^{6+} 测试流程:



镀层 Cr^{6+} 测试流程:



PBBs & PBDEs 测试流程:



7、样品照片



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