

测试报告

No. SHAHG2101709402

日期: 2021年02月03日 第1页,共5页

上海先科化工有限公司
上海市奉贤区楚江路363号

以下测试之样品是由申请者所提供及确认: 纳米级水性窄分子量分布丙烯酸共聚酯 (食品包装涂层)

SGS工作编号: SHHL2101003992CW - SH
 样品接收日期: 2021年01月26日
 测试周期: 2021年01月26日 - 2021年02月03日
 测试要求: 根据客户要求测试
 测试方法: 请参见下一页
 测试结果: 请参见下一页

测试结果概要:

测试要求	结论
(EU) No 10/2011 及其修正指令 (EU) 2020/1245- 总迁移量	不符合
欧洲议会和欧盟理事会法规1935/2004(2004年10月27日)-感官(气味和味道)测试	符合
(EU) No 10/2011 及其修正指令 (EU) 2020/1245- 重金属特定迁移量	符合

通标标准技术服务(上海)有限公司
授权签名

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测试结果:

测试样品描述:

样品编号	SGS样品ID	描述	材质 (客户提供)
SN1	SHA21-017094.001	透明涂层 (玻璃片上)	丙烯酸酯

备注:

- (1) mg/dm² = 毫克每平方米
- (2) mg/kg = 毫克每千克
- (3) °C= 摄氏度
- (4) < = 小于
- (5) MDL = 方法检测限
- (6) ND = 未检出 (< MDL)

(EU) No 10/2011及其修正指令 (EU) 2020/1245-总迁移量

测试方法: 参考欧盟委员会法规(EU) No 10/2011(2011年1月14日)附录III和附录V进行测试条件的选择, 参考EN1186-1: 2002进行测试方法的选择;
EN1186-3: 2002用水性食品模拟液进行全浸入法测试;
EN1186-14: 2002替代测试;

常用模拟液	时间	温度	最大允许限值	样品001 总迁移量	结论
3%乙酸水溶液(W/V) (第一次迁移)	2.0hr(s)	70°C	10mg/dm ²	<3.0mg/dm ²	符合
10%乙醇水溶液(V/V) (第一次迁移)	2.0hr(s)	70°C	10mg/dm ²	<3.0mg/dm ²	符合
20%乙醇水溶液(V/V) (第一次迁移)	2.0hr(s)	70°C	10mg/dm ²	<3.0mg/dm ²	符合
95%乙醇(第一次迁移)	2.0hr(s)	60°C	10mg/dm ²	361.4mg/dm ² #	不符合
异辛烷(第一次迁移)	0.5hr(s)	40°C	10mg/dm ²	<3.0mg/dm ²	符合

备注:

- (1) 水性食品模拟液的分析允差是2 mg/dm² 或12 mg/kg。
- (2) 脂肪性食品模拟液的分析允差是3 mg/dm² 或20mg/kg。
- (3) 测试条件和模拟液由客户指定。

欧洲议会和欧盟理事会法规1935/2004(2004年10月27日)-感官(气味和味道)测试



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测试方法: 参考DIN 10955: 2004
测试人员数: 6

测试项目	限值	001
测试媒介	-	DW
测试时间 (hr)	-	2
温度(°C)	-	70
感官(气味) 测试 (分数制)	2.5	0
感官(味道)测试 (分数制)	2.5	0
结论		符合

备注:

分数评价 (0.5进制):

0-无差别

1-极小差别

2-微弱的可察觉的差别

3-明显可察觉的差别

4-极大的差别

DW=蒸馏水

(EU) No 10/2011 及其修正指令 (EU) 2020/1245-重金属特定迁移量

测试方法: 参考EN13130-1: 2004, 采用ICP-OES和ICP-MS进行分析。

样品 001

模拟液: 3% 乙酸水溶液(W/V)
迁移测试条件: 70 °C 2.0 hr(s)

测试项目	限值	单位	MDL	测试结果
萃取次数	-	-	-	第一次
面积/体积	-	dm ² /kg	-	6.0
砷(As)	ND	mg/kg	0.01	ND
镉(Cd)	ND	mg/kg	0.002	ND
铬(Cr)	ND	mg/kg	0.01	ND
汞(Hg)	ND	mg/kg	0.01	ND
铅(Pb)	ND	mg/kg	0.01	ND
铝(Al)	1	mg/kg	0.1	ND
钡(Ba)	1	mg/kg	0.25	ND
钴(Co)	0.05	mg/kg	0.01	ND
铜(Cu)	5	mg/kg	0.25	ND
铁(Fe)	48	mg/kg	0.25	ND



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锂(Li)	0.6	mg/kg	0.1	ND
锰(Mn)	0.6	mg/kg	0.1	ND
锌(Zn)	5	mg/kg	0.5	ND
镍(Ni)	0.02	mg/kg	0.02	ND
铟(Sb)	0.04	mg/kg	0.01	ND
铕(Eu)	-	mg/kg	0.01	ND
钆(Gd)	-	mg/kg	0.01	ND
镧(La)	-	mg/kg	0.01	ND
铽(Tb)	-	mg/kg	0.01	ND
铕(Eu)+ 钆(Gd)+ 镧(La)+ 铽(Tb)	0.05	mg/kg	-	ND

结论

符合

备注:

(1) 测试条件和模拟液由客户指定。

备注:

= 超出限值

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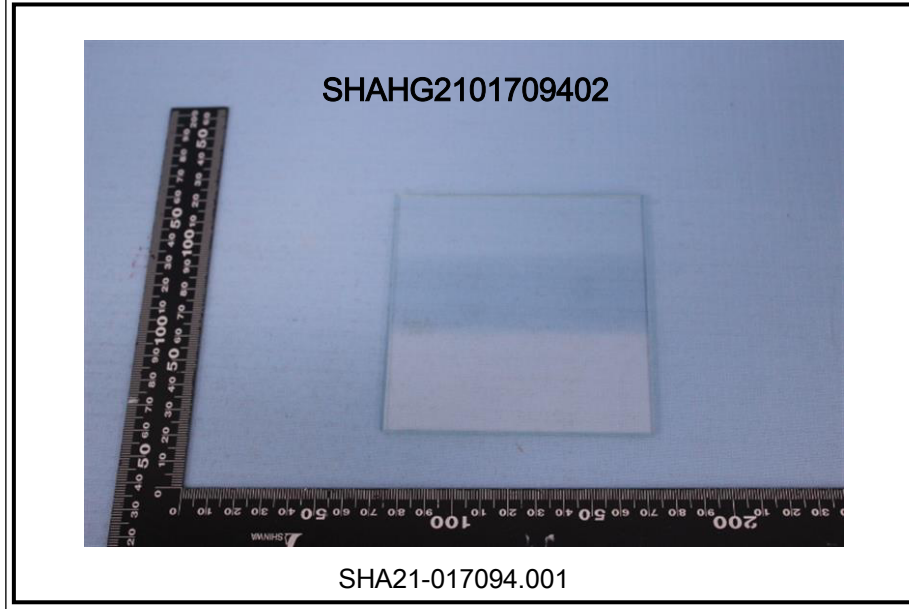
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