浙江联和电子有限公司

ZHEJIANG LIANHE ELECTRONICS CO., LTD.

承 认 书 SPECIFCATION FOR APPROVAL

客户名称 CUSTOMER	
品名 DESCRIPTION	1806型条形连接器
料号 CUSERTOMER PART NO	C6001&C6002
日 期 DATE	

客户确认(APPROVED SIGNATURES)

核准(APPROVAL)	工程(ENGINEERING)	品管(QC)
承认结果:	□承认 □不承认	□重新送样













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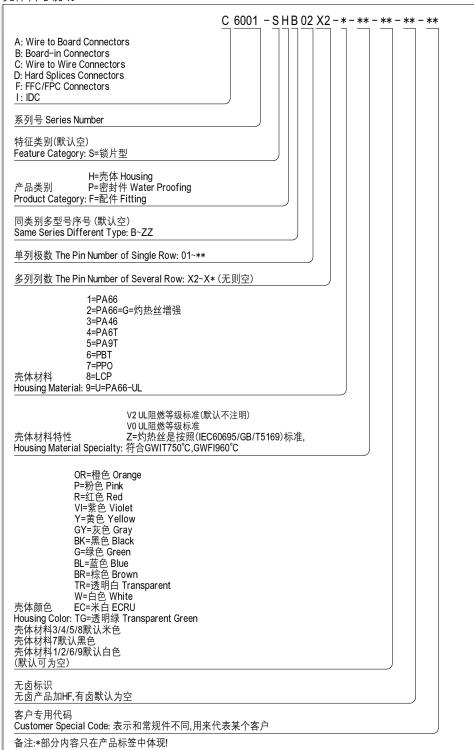
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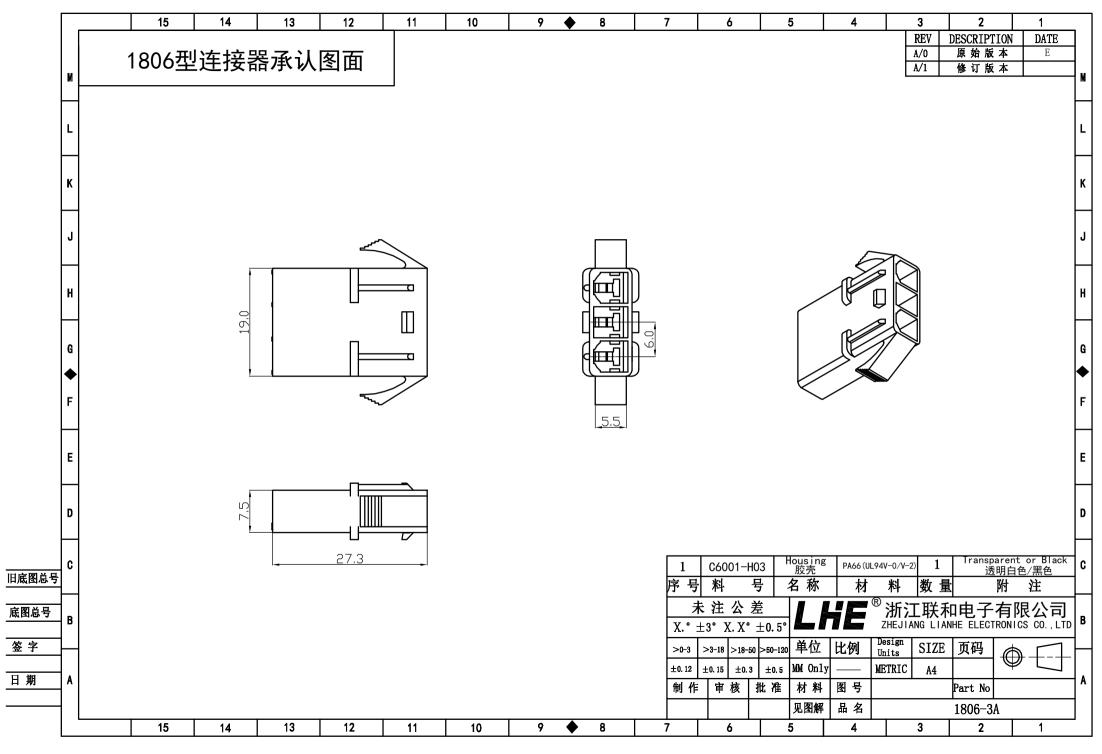
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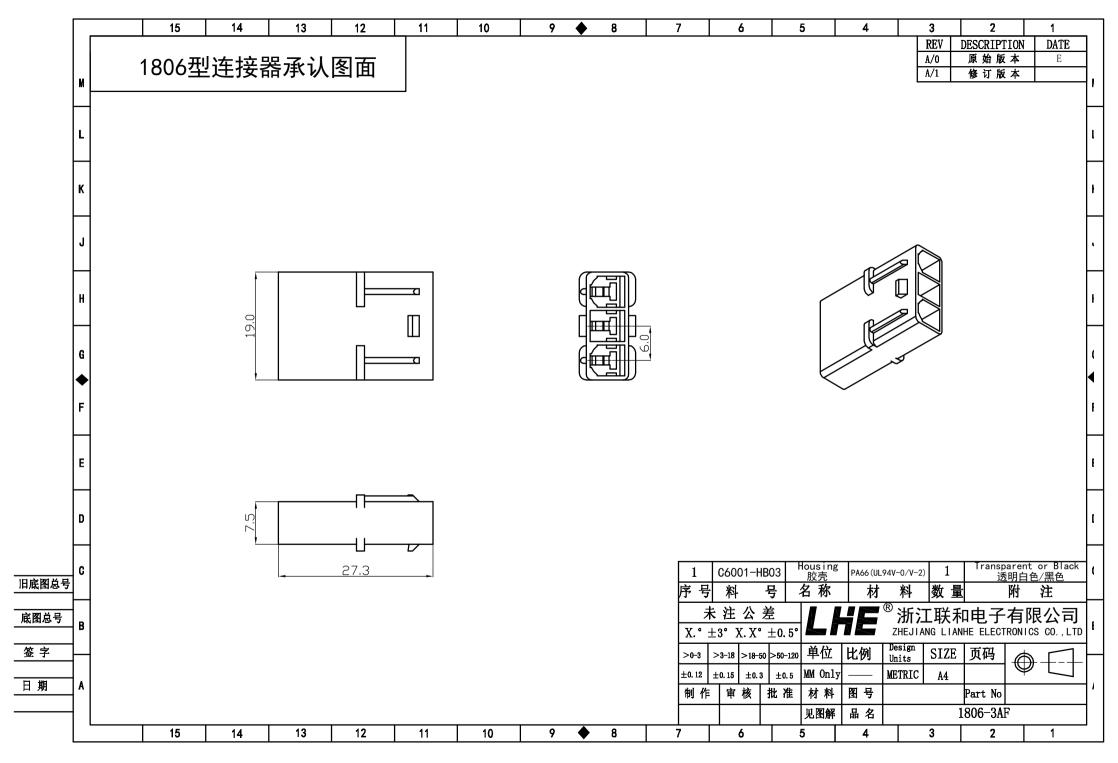
核准(APPROVAL)	确认(CHECK)	制作(PREPARE)



壳体料号说明 HOUSING







1806型连接器



产品规格书

PRODUCT SPECIFICAION

版本号 Version Number:_____B__

产品编码

Part Number: <u>C6001</u>

■ 规格 Specifications

◆1、极数 Poles:3P

◆2、额定电流 Current rating: 15A

◆3、额定电压 Voltage rating: 300V AC, DC

◆4、温度范围 Temperature range: -25°C to +105°C

◆5、接触电阻 Contact resistance: ≤10mΩ

◆6、绝缘电阻 Insulation resistance: ≥1000MΩ ◆7、耐电压 Withstand voltage: 1500V AC/minute ◆8、适用线规 Applicable wire: AWG #26 to #18

	产品性能测试 Performance test			
项目 Item 测试条件 Test Condition 规格要求 Requirem				
1	外观 Appearance	目测 Visual by eye 视力 Light: >1.0 照明 Lamp: 200~300Lx 目测距离 Space: 0.3~0.5m	1. 塑料件表面应无明显疤痕、凹陷、开裂及影响使用的变形。 Plastic part:smooth and flat surface without discolor, broken, crack distortion defects is acceptable. 2. 金属件表面无锈蚀、氧化、无明显的机械 损伤等缺陷。 Metal part:btight and even surface without rust, oxide, fog and obvious physical damage defects is acceptable. 3. 导线表面清洁、无破损等缺陷,即字及标 志清晰。 Wire:clearing surface without discolor, broken defects, indistinct words and mark is acceptable.	
2	接触电阻 Contact Resistance	插合连接器,用小功率电路进行测试。 Mate connectors,measure by dry circuit.	10mΩ MAX	
3	绝缘电阻 Insulation Resistance	在相邻接触件之间或地线之间,用 500V DC电压进行测试。 Apply 500V DC between adjacent terminal or ground.	1000MΩ MIN	
4	耐电压 Dielectric Strength	相邻接触件之间或地线之间施加50Hz 1500V AC(有效值),漏电流1mA的电压 作用,时间1min。 Mate connectors, apply 1500V AC for 1 minute between adjacent terminal or ground.	无击穿和飞弧现象 No Breakdown	

1806型连接器



产品规格书

PRODUCT SPECIFICAION

版本号 Version Number:_____B

产品性能测试 Performance test					
	项目 Item	测试条件 Test Condition	规格要求 Requirement		
5	压着部位抗张强度 Crimping Pull Out Force	在试验装置夹头中固定测试样品,在连接的轴线方向施加张力;速度不大于25mm/min。 Fix the crimped terminal,apply axial pull out force on the wire at the speed rate of not more 25mm/min.	AWG. 26# AWG. 24# AWG. 20#	20N MIN 30N MIN 40N MIN	
6	壳体/端子固定力 Terminal/Housing Retention Force	固定连接器或测力计,在连接器轴线方向施加规定的拉力;速度不大于25mm/min。 Apply axial pull out force at the speed rate of not more 25mm/min on the pin assembled in the housing.	AWG. 18# 50N MIN 30N MIN		
7	针的固定力 Pin Retention Force	固定连接器或测力计,在连接器轴线方向对针施加规定的推力;速度不大于25mm/min。 Apply axial push out force at the speed rate of not more 25mm/minute on the terminal assembled in the base.			
8	可焊性 Solderability	把测试样品需要焊接的部位浸入焊锡炉中 (锡炉温度235℃±5℃)2~3秒钟。 Soldering time: 2~3 second Solder Temperature:235℃±5℃			
9	耐焊接热 Resistance to Soldering Heat	把测试样品需要焊接的部位浸入焊锡炉中 (锡炉温度260°C); 2±0.5秒钟后在正常的 条件下恢复1小时。 Soldering time: 2±0.5 second Solder Temperature:260°C			
10	耐高温 Heat Resistance	连接器配合后,于105°C±2°C的空气中放置96小时,然后再回到室温中放置1~2h小时测定 Mated connectors are exposed to a temperature of 105°C±2°C for 96 hours.	外观 Appearance 接触电阻 LLCR 无损伤 No Damag 20mΩ Ma		
11	耐低温 Clod Resistance	连接器配合后,于-25°C±2°C的空气中放置96小时,然后再回到室温中放置1~2h小时测定 Mated connectors are exposed to a temperature of -25°C±2°Cfor 96 hours.	外观 Appearance 接触电阻 LLCR 无损伤 No Damage 20mΩ Max		
12	温度上升 Temperature Rise	插合连接器,通以最大允许电流。 Carring rated current load.	温度最大上升 Temperature Rise	30°C MAX	

1806型连接器



产品规格书

PRODUCT SPECIFICAION

版本号 Version Number:____B

产品编码

产品编码 Part Number: C6001

产品性能测试 Performance test					
	项目 Item	测试条件 Test Condition	规格要求 Requirement		
				无损伤 No Damage	
13	恒定湿热 Humidity		耐电压 Dielectric Strength	1500V, AC /minute	
		Temperature: 40±2°C Relative Humidity: 90%~95% Duration: 96 hours	绝缘电阻 Insulation Resistance	1000ΜΩ ΜΙΝ	
			接触电阻 LLCR	20mΩ MAX	
		把测试样品放入高低温试验箱中,按下列步骤调试温度:	外观 Appearance	无损伤 No Damage	
	温度循环	a) 在-25°C±2°C的恒温条件下放置0.5小时; b) 在105°C±2°C的恒温条件下放置0.5小时; 从a) 到b) 为一个循环周期, 共进行5个循环。	耐电压 Dielectric Strength	1500V, AC /minute	
14	Temperature cycle	恢复1h后检查。状态转换时间不多于1小时。 Mated connectors are exposed to 5 cycles of: a)-25°C±2°C 0.5hour b)+105°C±2°C 0.5hour	mperature恢复1h后检查。状态转换时间不多于1小时。绝缘电阻Mated connectors are exposed to 5Insulation		1000MΩ MIN
			接触电阻 LLCR	20mΩ MAX	
		插合连接器,串联在一直流电源上,电 流100mA;并模拟正常工作状态,振频为10 ~55Hz、振幅1.5mm;55~500Hz、加速	外观 Appearance	无损伤 No Damage	
15	机械振动 Vibration	度50m/s ² , 每一轴线扫频循环次数10次、 2小时。 Frequency: 10~55Hz	接触电阻 Contact Resistance	20mΩ MAX	
		Amplitude: ±1.5mm Frequency: >55~500Hz	中断 Intermittence	1μsec MAX	
			外观 Appearance	无损伤 No Damage	
1/	机械寿命 Repeated insertion/ withdrawal	以每分钟插拔10次的速率,插拔50次。 When mated up to 50 cycles	耐电压 Dielectric Strength	1500V, AC /minute	
10		insertion/ repeatedly by the rate of 10 cycles	绝缘电阻 Insulation	1000MΩ MIN	
				20mΩ MAX	



产品规格书

PRODUCT SPECIFICAION

版本号 Version Number: B 产品编码

	产品性能测试 Performance test				
	项目 Item	测试条件 Test Condition	规	风格要求 Rec	uirement
17	盐雾 Salt Spray	把先冲后镀*的测试样品从试验箱顶悬挂下来,采用浓度为5%±1(质量百分比)的氯化钠溶液,连续雾化16小时,试验后用流动的蒸馏水轻轻洗去表面沉积物。在常温常驻湿条件下恢复1~2小时。16 hour exposure to a saltspray from the 5%±1 solution.	的严 腐蚀 Appo with pla-	见无损伤(五金件应 重大损伤(五金件应 重大连有不影响 点。) earance:No Dama h material expo ting material,s the cutting sur eptable)	镀的型材,其 其性能的轻微 ge(No erosion sed.And with light erosion
10	插入力与拔出力 Insertion and	相配的连接器以1mm/s~5mm/s的速度沿接插器轴线方向插入和拔出。		插入力(最大值) Insertion(Max)	拔出力(最小值) Withdrawal(Min)
18	8 Withdrawal Insertion and withdraw connectors Force at the speed rate of 1mm/s~5mm/s.		SINGLE		

^{*} 先冲后镀为定制端子。常规端子为先镀后冲,无法通过盐雾试验。

1	高低温环境测试从85℃,更新到105℃	根据客户要求,进行统一的测试升级	20221026	玉夫	
序号	变更记录	变更原因	变更时间	责任人	
	变更记录				

制订 🚾	审核 WZY	批准	日期	
Edit. IF	Check: "2"	Approval: CZH	Date:	

ECBT2.E364711 - Connectors for Use in Data, Signal, Control and Power Applications -Component

Connectors for Use in Data, Signal, Control and Power Applications - Component

See General Information for Connectors for Use in Data, Signal, Control and Power Applications - Component

ZHEJIANG LIANHE ELECTRONIC CO LTD

E364711

Chuangxin Road, YueQing Bay Port Zone Yueqing, Zhejiang 325600 CHINA

Connector, Model(s) 1.58-LHE f/b 2, f/b 1 thru 12, f/b A2 or AW., 1.58-LHE f/b 2 thru 6, f/b A2 or AW

Connector, Model(s) 1.58-LHE followed by 2, followed by 1 thru 12, followed by A(T).

Connector, Model(s) 1.58-LHE, f/b 2 thru 6, f/b A(T)., 1.58-LHE, f/b 2 thru 6, f/b Y(T), 1.58-LHE, f/b 2, f/b 1 thru 12, f/b Y(T)., 2510-LHE f/b 2, f/b 1 thru 12, f/b A2 or AW, 2510-LHE f/b 2 thru 6, f/b A2 or AW

Connector, Model(s) 2510-LHE followed by 2, followed by 1 thru 12, followed by A(T)

Connector, Model(s) 2510-LHE, f/b 2 thru 6 , f/b A(T), 2510-LHE, f/b 2 thru 6, f/b Y(T), 2510-LHE, f/b 2, f/b 1 thru 12 , f/b Y(T), 5.08-LHE f/b 2 , f/b 1 thru 12, f/b A2 or AW, 5.08-LHE f/b 2 thru 6, f/b A2 or AW

Connector, Model(s) 5.08-LHE followed by 2, followed by 1 thru 12, followed by A(T)

Connector, Model(s) 5.08-LHE, f/b 2 thru 6, f/b A(T), 5.08-LHE, f/b 2 thru 6, f/b Y(T), 5.08-LHE, f/b 2, f/b 1 thru 12, f/b Y(T), 51005-LHE f/b 2, f/b 1 thru 12, f/b A2 or AW, 51005-LHE f/b 2 thru 6, f/b A2 or AW

Connector, Model(s) 51005-LHE followed by 2, followed by 1 thru 12, followed by A(T)

Connector, Model(s) 51005-LHE, f/b 2 thru 6 , f/b A(T), 51005-LHE, f/b 2 thru 6, f/b Y(T), 51005-LHE, f/b 2, f/b 1 thru 12 , f/b Y (T), 51006-LHE f/b 2 , f/b 1 thru 12 , f/b A2 or AW, 51006-LHE f/b 2 thru 6, f/b A2 or AW

Connector, Model(s) 51006-LHE followed by 2, followed by 1 thru 12, followed by A(T)

Connector, Model(s) 51006-LHE, f/b 2 thru 6 , f/b A(T), 51006-LHE, f/b 2 thru 6, f/b Y(T), 51006-LHE, f/b 2, f/b 1 thru 12 , f/b Y (T), 5102-LHE f/b 2 , f/b 1 thru 12, f/b A2 or AW, 5102-LHE f/b 2 thru 6, f/b A2 or AW

Connector, Model(s) 5102-LHE followed by 2, followed by 1 thru 12, followed by A(T)

Connector, Model(s) 5102-LHE, f/b 2 thru 6, f/b A(T), 5102-LHE, f/b 2 thru 6, f/b Y(T), 5102-LHE, f/b 2, f/b 1 thru 12, f/b Y(T), 5240-LHE f/b 2, f/b 1 thru 12, f/b A2 or AW, 5240-LHE f/b 2 thru 6, f/b A2 or AW

Connector, Model(s) 5240-LHE followed by 2, followed by 1 thru 12, followed by A(T)

Connector, Model(s) 5240-LHE, f/b 2 thru 6, f/b A(T), 5240-LHE, f/b 2 thru 6, f/b Y(T), 5240-LHE, f/b 2, f/b 1 thru 12, f/b Y(T), 5500-LHE f/b 2, f/b 1 thru 12, f/b A2 or AW, 5500-LHE f/b 2 thru 6, f/b A2 or AW

Connector, Model(s) 5500-LHE followed by 2, followed by 1 thru 12, followed by A(T)

Connector, Model(s) 5500-LHE, f/b 2 thru 6, f/b A(T), 5500-LHE, f/b 2 thru 6, f/b Y(T), 5500-LHE, f/b 2, f/b 1 thru 12, f/b Y(T), 5557 followed by 2 thru 6, followed by A2 or AW, 5557 followed by 2 thru 6, followed by Y(T)

Connector, Model(s) 5557 followed by 2, followed by 1 thru 12, followed by A(T).

Connector, Model(s) 5557 followed by 2, followed by 1 thru 12, followed by A2 or AW

Connector, Model(s) 5557 followed by 2, followed by 1 thru 12, followed by Y(T)

Connector, Model(s) 5559-LHE f/b 2 , f/b 1 thru 12, f/b A2 or AW, 5559-LHE f/b 2 thru 6, f/b A2 or AW

Connector, Model(s) 5559-LHE followed by 2, followed by 1 thru 12, followed by A(T).

Connector, Model(s) 5559-LHE, f/b 2 thru 6, f/b A(T), 5559-LHE, f/b 2 thru 6, f/b Y(T), 5559-LHE, f/b 2, f/b 1 thru 12, f/b Y(T), 5566-LHE f/b 2, f/b 1 thru 12, f/b A2 or AW, 5566-LHE f/b 2 thru 6, f/b A2 or AW

Connector, Model(s) 5566-LHE followed by 2, followed by 1 thru 12, followed by A(T)

Connector, Model(s) 5566-LHE, f/b 2 thru 6, f/b A(T), 5566-LHE, f/b 2 thru 6, f/b Y(T), 5566-LHE, f/b 2, f/b 1 thru 12, f/b Y(T), 5569-LHE f/b 2, f/b 1 thru 12, f/b A2 or AW, 5569-LHE f/b 2 thru 6, f/b A2 or AW

Connector, Model(s) 5569-LHE followed by 2, followed by 1 thru 12, followed by A(T)

Connector, Model(s) 5569-LHE, f/b 2 thru 6, f/b A(T), 5569-LHE, f/b 2 thru 6, f/b Y(T), 5569-LHE, f/b 2, f/b 1 thru 12, f/b Y(T), 5600-LHE f/b 2, f/b 1 thru 12, f/b A2 or AW, 5600-LHE f/b 2 thru 6, f/b A2 or AW

Connector, Model(s) 5600-LHE followed by 2, followed by 1 thru 12, followed by A(T)

Connector, Model(s) 5600-LHE, f/b 2 thru 6, f/b A(T), 5600-LHE, f/b 2 thru 6, f/b Y(T), 5600-LHE, f/b 2, f/b 1 thru 12, f/b Y(T), 63080-LHE f/b 2, f/b 1 thru 12, f/b A2 or AW, 63080-LHE f/b 2 thru 6, f/b A2 or AW

Connector, Model(s) 63080-LHE followed by 2, followed by 1 thru 12, followed by A(T)

Connector, Model(s) 63080-LHE, f/b 2 thru 6, f/b A(T), 63080-LHE, f/b 2 thru 6, f/b Y(T), 63080-LHE, f/b 2, f/b 1 thru 12, f/b Y (T), B2502 followed by 2 thru 16, followed by Y(T), BH3.5-2A(T), BH3.5-2Y(T), MX3.0 followed by 2 thru 12, followed by A(T), MX3.0 followed by 2 thru 12, followed by A2 or AW, MX3.0 followed by 2 thru 12, followed by Y(T)

Connector, Model(s) MX3.0 followed by 2, followed by 1 thru 12, followed by A(T).

Connector, Model(s) MX3.0 followed by 2, followed by 1 thru 12, followed by A2 or AW

Connector, Model(s) MX3.0 followed by 2, followed by 1 thru 12, followed by Y(T)

Connector, Model(s) PA-LHE f/b 2, f/b 1 thru 12, f/b Y(T), PA-LHE followed by 2 thru 12, followed by A(T)

Connector, Model(s) PA-LHE followed by 2 thru 12, followed by A2 or AW

Connector, Model(s) PA-LHE followed by 2 thru 12, followed by Y(T)

Connector, Model(s) PA-LHE followed by 2, followed by 1 thru 12, followed by A(T)

Connector, Model(s) PA-LHE followed by 2, followed by 1 thru 12, followed by A2 or AW

Connector, Model(s) PH, PHB, XHB, JC25, SCN followed by -2 thru -20, followed by Y(T), A, AW or AWD

Connector, Model(s) PHB followed by 2 thru 16, followed by Y(T). followed by 2 thru 16, followed by AWD, A, AW

Connector, Model(s) Series 1.25, 1254, 1255 followed by -2 thru -25, followed by Y(T), A or AW

Connector, Model(s) Series 5264 followed by -2 thru -16, followed by Y(T), A or AWD

Connector, Model(s) SM followed by -2 thru -18, followed by Y(T) or A(T)

Connector, Model(s) VH, 3.96 followed by -2 thru -16, followed by Y(T), A, AW or AWG

Connector, Model(s) XA-LHE f/b 2, f/b 1 thru 12, f/b Y(T), XA-LHE followed by 2 thru 12, followed by A(T)

Connector, Model(s) XA-LHE followed by 2 thru 12, followed by A2 or AW

Connector, Model(s) XA-LHE followed by 2 thru 12, followed by Y(T)

Connector, Model(s) XA-LHE followed by 2, followed by 1 thru 12, followed by A(T)

Connector, Model(s) XA-LHE followed by 2, followed by 1 thru 12, followed by A2 or AW

Connector, Model(s) XH followed by -2 thru -20, followed by Y(T), A, AW, AWGD, AWD or AWGDJ

Connector, Model(s) ZH followed by 2 thru 16, followed by AWD or A, ZH followed by 2 thru 16, followed by Y(T).

Model(s) 1.25, followed by -2 thru -16, followed by AB or AWB

Model(s) 51146 or FI-S, followed by -2 thru -16, followed by AB or AWB

Model(s) A5001, followed by -2 thru -7, followed by Y, Y(T), AD or AWD

Model(s) B2501-LHE, A2004-LHE, A4203-LHE, PHR-LHE, PHD-LHE, CH2.5-LHE, DF11-LHE, PHSD-LHE, A5001-LHE, 35155-LHE, 35156-LHE, 5195-LHE, 5196-LHE, followed by 2 thru 16, followed by Y(T)

Model(s) BHS-LHE, SMH250-LHE, SMH200-LHE, L6.2-LHE, 1806-LHE, 2060-LHE, 2541-LHE, JC15-LHE, XHD-LHE, followed by -2, followed by A(T), or Y(T)

Model(s) JWPF-LHE, B2541-LHE, NV-LHE, DV-LHE, SGN-LHE, SJN-LHE, SDN-LHE, SIN-LHE, 35150-LHE, 35151-LHE, 35180-LHE, 35182-LHE, 35524-LHE, 35965-LHE, RCY-LHE, LC-LHE, VR-LHE, SHJ-LHE, SHL-LHE, DF19-LHE, ACH-LHE, DF13-LHE, IL-Z-LHE, 51146-LHE, SATA-LHE, XSR-LHE, SUR-LHE, SUH-LHE, ZE-LHE, ZND-LHE, ZPD-LHE, A1502-LHE, SFH-LHE,51004-LHE, PUD-LHE, A20010-LHE, 35507-LHE, DF3-LHE, PND-LHE, RE-LHE, RA-LHE, RF-LHE or A3963, followed by -2 thru -15, followed by Y(T), YB(T) or YC(T), A, A-K, AW, AW-K, AD, AD-K, AWGD, AWGD-K, AQ, AQ-K, AWQ, AWQ-K, AD(BH) or AD(BH)-K.

Model(s) PH, followed by -2 thru -16, followed by AB or AWB

Model(s) PHB, SZN-LHE, SAN-LHE, JC20-LHE, EH-LHE, EI-LHE, EL-LHE, S-EL-LHE, followed by 2 thru 16, followed by AWD, A, AW

Model(s) PHB, SZN-LHE, SAN-LHE, JC20-LHE, EH-LHE, EI-LHE, EL-LHE, S-EL-LHE, followed by 2 thru 16, followed by Y(T)

Model(s) PHB, XH, XHB or XHBD, followed by -2 thru -16, followed by AB or AWB.

Model(s) RAST 5-LHE TAB HEADER ASSY, TH, Vertical, Cat. Nos. 1969738-LHE, 1969740-LHE, 1971845-LHE, 1971846-LHE, 1971895-LHE, 1971896-LHE, 1971946-LHE thru 1971949-LHE, 1971954-LHE thru 1971957-LHE, 2232008-LHE thru 2232011-LHE, 2232000-LHE thru 2232003-LHE, 2232016-LHE thru 2232019-LHE, 1971962-LHE thru 1971965-LHE, 2232024-LHE thru 2232027-LHE, 2232289-LHE thru 2232292-LHE, 2232043-LHE thru 2232074-LHE, 2232298-LHE thru 2232301-LHE, 2232511-LHE, 2232532-LHE, 2232557-LHE, 2232559-LHE, 2232560-LHE, 2232562-LHE, 2232563-LHE, 2232565-LHE, 2232566-LHE, 2232568-LHE, 2232569-LHE, 2232571-LHE, 2232572-LHE, 2232574-LHE, 2232575-LHE, 2232577-LHE, 2232578-LHE, 2232580-LHE, 2232581-LHE, 2232583-LHE, 2232584-LHE, 2232586-LHE, 2232587-LHE, 2232589-LHE, 2232590-LHE, 2232592-LHE, 2232593-LHE, 2232595-LHE, 2232596-LHE, 2232598-LHE, 2232599-LHE, 2232601-LHE, 2232602-LHE, 2232604-LHE, 2232605-LHE, 2232607-LHE, 2232608-LHE, 2232611-LHE thru 2232682-LHE, 2292457-LHE, 2292458-LHE, may incorporate prefix and/or suffix number.), followed by -2 thru -7, followed by Y, Y(T), AD or AWD.

Model(s) SY, followed by -2, followed by Y, Y(T), A or A(T)

Model(s) SYP, SYR, BH4.0-LHE, A10001-LHE, A7501-LHE, A8001-LHE, C2541-LHE, C2542-LHE, D250R-LHE, D280K-LHE, D300R-LHE, D350R-LHE, D400B-LHE, D430R-LHE, D470G-LHE, D480J-LHE, D480K-LHE, D480N-LHE, D480Q-LHE, D520H-LHE, D520K-LHE, D520Q-LHE, D620G-LHE, D630J-LHE, D630N-LHE, D630Q-LHE, D700G-LHE, F001-LHE, F002-LHE, HIF3-LHE, MC100-LHE, MC100-LHE, ME020-LHE, ME010-LHE, F2541-LHE, D2301-LHE, 1719057-LHE, 1719059-1-LHE, P0011-LHE, P0012-LHE, P0013-LHE, C6001-LHE, D2201-LHE, D2202-LHE or P0001-LHE, followed by -2, followed by Y, Y(T), A or A(T).

Model(s) VL-LHE, YL-LHE, SL-LHE, FL-LHE, YHD200-LHE, HA-LHE, LGC-LHE, JR-LHE, SP-LHE, 5025-LHE, followed by 2, followed by 1 thru 12, followed by A(T), Y(T), A2 or AW

Model(s) VL-LHE, YL-LHE, SL-LHE, FL-LHE, YHD200-LHE, HA-LHE, LGC-LHE, JR-LHE, SP-LHE, 5025-LHE, followed by 2 thru 12, followed by A(T), Y(T), A2 or AW

Model(s) XHD, XHE or XHQ, followed by -2 thru -15, followed by Y(T), YB(T) or YC(T), A, A-K, AW, AW-K, AD, AD-K, AWGD, AWGD-K, AQ, AQ-K, AWQ, AWQ-K, AD(BH) or AD(BH)-K.

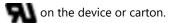
Model(s) ZH, followed by -2 thru -16, followed by AB or AWB

Model(s) ZHR-LHE, SH-LHE, GH-LHE, NH-LHE, C1251-LHE, DF14-LHE, 5501-LHE, 75416-LHE, 543-LHE, followed by 2 thru 16, followed by AWD or A

Model(s) ZHR-LHE, SH-LHE, GH-LHE, NH-LHE, C1251-LHE, DF14-LHE, 5501-LHE, 75416-LHE, 543-LHE, followed by 2 thru 16, followed by Y(T)



Marking: Company name or trademark ______ from the model designation and the Recognized Component Mark,



Last Updated on 2020-02-20

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产品认证证书

证书编号: CQC17134174484

申请人名称及地址

浙江联和电子有限公司乐清市石帆镇后屿村

制造商名称及地址

浙江联和电子有限公司乐清市石帆镇后屿村

生产企业名称及地址

浙江联和电子有限公司(V028069) 乐清市石帆镇后屿村

产品名称和系列、规格、型号

连接器聚酰胺 66 (PA66)

型号见附件,材料名称: 聚酰胺 (PA66),材料牌号: A63RV0,全色, 球压:200℃, 灼热丝可燃性指数 (GWFI):960/0.3, 灼热丝起燃温度 (GWIT):960/0.3, 燃烧等级:V-0/0.3mm, CTI600, 红外光谱,差示扫描量热和热重分析见报告V-00601-2017134003019.

产品标准和技术要求

GB/T5169. 21-2006, GB/T 5169. 12-2013, GB/T 5169. 13-2013, GB/T 5169. 16-2008, GB/T 4207-2012, GB/T 6040-2002, GB/T 19466. 1-2004, GB/T 19466. 2-2004, GB/T 19466. 3-2004, ISO 11358-1:2014

认证模式

产品检测+获证后监督

上述产品符合 CQC13-036047-2009 认证规则的要求,特发此证。

发证日期: 2017年07月27日

本证书的有效性依据发证机构的定期监督获得保持

主任:

中国质量认证中心

中国. 北京. 南四环西路 188号 9区 100070 http://www.cqc.com.cn Verification No.:

CLZJ1411264692



VERIFICATION OF LVD COMPLIANCE

Applicant: Zhejiang Lianhe Electrical Co., Ltd.

Houyu village, Shifan town, Yueqing city, Zhejiang province, China.

Manufacturer: Same as applicant Product Description: Connector Terminal

Model No: A1001, A1002, A1003, A1251, A1252, A1253, A1254, A1255,

A1256, A1257, A1501, A1502, A1503, A2001, A2002, A2003, A2004, A2005, A2006, A2007, A2501, A2502, A2503, A2504, A2505, A2505, A2506, A2507, A2541, A2542, A2543, A2544, A2545, A3961, A3962, A3963, A3564, A5081, A5082, B1501, B4503, B3604, A2504, A2

B1502, B2001, B2002, B2501, B2502, C01581, C01582, C1251, C2001, C2002, C2501, C2502, C2505, C2506, C3001, C3002, C3003, C3004, C3005, C3006, C3501, C3502, C3701, C3702, C4001, C4002, C4141, C4142, C4201, C4202, C4203, C4204,

C4601, C4602, C4501, C4502, C4503, C4504, C5001, C5002,

C5031, C5032, C6201, C6202, C6351, C6352, C6701, C6702, D2801, D2802, D2803, D4801, D4802, D4803, D4804, D6301,

D6302, D6303

Sufficient samples of the product have been tested and found to be in conformity with

Test Standard: EN 60320-1:2001/A1:2007

EN 60529:1991/A1:2000

As shown in the

Test Report Number(s):

TLZJ1411264692

Date of issue:

November 27, 2014

Conclusion

This Verification of LVD Compliance has been granted to the applicant based on the results of tests, performed by laboratory of Global Testing Services Co., Ltd on sample of the above-mentioned product in accordance with the provisions of the relevant specific standards and the Low Voltage Directive 2014/35/EU. The CE marking as shown below can be affixed, under the responsibility of the manufacturer, after completion of an EC Declaration of Conformity and compliance with all relevant EC Directives. The affixing of the CE marking presumes in addition that conditions the conditions in annexes III and IV of the Directive are fulfilled.

Approved by: Hermann Weiher

CE

For and on behalf of Global Testing Services Co., Ltd

ERTIFICA

Global Testing Services Co., Ltd

E-mail:info@gts-lab.com http://www.gts-lab.com

Room 1501-1502, No. 520 Yishan Rd., Xuhui District, Shanghai, 200235 China

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QUALITY MANAGEMENT SYSTEM CERTIFICATE

Certificate No. 00117Q310977R2S/3302

We hereby certify that

Zhejiang LianHe Electronics Co., Ltd.

Unified Social Credit Code/ Organization Code certificate: 913303825540033504

Registration Address: Houyu Village, Shifan Town, Yueqing City, Wenzhou City, Zhejiang Province, China

Production Address: Yueshang Pioneer Park, Yueqing Bay Port Area, Yueqing City, Wenzhou City, Zhejiang Province China

Quality Management System

has been awarded this certificate for compliance with the standard

GB/T 19001-2016 / ISO 9001:2015

The Quality Management System Applies in the following area:

The Design, Production of Electronics Connector

Certified since: February 13, 2012 Valid from: December 11, 2017 Valid until: December 14, 2020

After a surveillance cycle, the certificate is valid only when used together with an Acceptance Notice of Surveillance Audit issued by CQC.

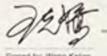
Please access www.cqc.com.cn for checking validity of the certificate.

This certificate and its relevant information can query in the website of Certification and Accreditation Administration of the People's Republic of China (www.cnca.gov.cn).





中国从司 国际互从 管理体系 MANAGEMENT SYSTEM CNAS C001-M



I Net



16

CHINA QUALITY CERTIFICATION CENTRE

Section 9, No.188, Nansahuan(the South Fourth Ring Road) Xilu(West Road), Beijing 100070, China http://www.coc.com.cn

Q 0073728 2015年版





THE INTERNATIONAL CERTIFICATION NETWORK

CERTIFICATE

IQNet and CQC hereby certify that the organization

Zhejiang LianHe Electronics Co., Ltd.

Registration Address: Houyu Village, Shifan Town, Yueqing City, Wenzhou City, Zhejiang Province, China Production Address: Yueshang Pioneer Park, Yueqing Bay Port Area, Yueqing City, Wenzhou City, Zhejiang Province China

For the following field of activities

The Design, Production of Electronics Connector

Has implemented and maintains a Management System Which fulfils the requirements of the following standard

GB/T 19001-2016 / ISO 9001:2015

Issued on: December 11, 2017

Validity date: December 14, 2020

Registration Number: 00117Q310977R2S/3302

- Net

Michael Drechsel President of IQNet Wana Kejiao

Wang Kejiao President of COC



IQNet Partners*:

AENOR Spain AFNOR Certification France AIB-Vincotte International Belgium ANCE-SIGE Mexico APCER Portugal CCC Cyprus CISQ Italy CQC China CQM China CQS Czech Republic Cro Cert Croatia DQS Holding GmbH Germany FCAV Brazil FONDONORMA Venezuela ICONTEC Colombia IMNC Mexico Inspecta Certification Finland IRAM Argentina JQA Japan KFQ Korea MIRTEC Greece MSZT Hungary Nemko AS Norway NSAI Ireland PCBC Poland Quality Austria Austria RR Russia SII Israel SIQ Slovenia SIRIM QAS International Malaysia SQS Switzerland SRAC Romania TEST St Petersburg Russia TSE Turkey YUQS Serbia IQNet is represented in the USA by: AFNOR Certification, CISQ, DQS Holding GmbH and NSAI Inc.

*The list of IQNet partners is valid at the time of issue of this certificate. Updated information is available under www.iqnet-certification.com



检测报告 编号: NGBEC2200627404 日期: 2022年04月20日 第1页,共11页

客户名称: 浙江联和电子有限公司

浙江省乐清市乐清湾港区乐商创业园 客户地址:

样品名称: PA66 连接器

型号: XHD-5A 客户参考信息: 见附件

以上样品及信息由客户提供。

SGS工作编号: NP22-001796 - NB 样品接收日期: 2022年04月08日

检测周期: 2022年04月08日 - 2022年04月20日

检测要求: 根据客户要求检测 检测方法: 请参见下一页 检测结果: 请参见下一页

结论: 基于所送样品002的指定部位进行的检测,镉、铅、汞、六价铬的检测结果符合欧

盟RoHS指令2011/65/EU附录II的修正指令(EU) 2015/863的限值要求。

基于所送样品001的指定部位进行的检测,镉、铅、汞、六价铬、多溴联

苯(PBBs)、多溴二苯醚(PBDEs)、邻苯二甲酸酯(如邻苯二甲酸二丁酯 (DBP)、邻苯

二甲酸丁苄酯(BBP)、邻苯二甲酸二(2-乙基己基)酯(DEHP)和邻苯二甲酸二异丁 酯(DIBP))的检测结果符合欧盟RoHS指令2011/65/EU附录II的修正指令(EU)

2015/863的限值要求。

中国•浙江•宁波高新区凌云路1177号

通标标准技术服务有限公司宁波分公司 授权签名

张倩倩

Ashley Zhang张倩倩 批准签署人





No.1177, Lingyun Road, Hi-Tech Zone, Ningbo, Zhejiang, China 315040 tE&E (86-574)89070249 www.sgsgroup.com.cn



检测报告 编号: NGBEC2200627404 日期: 2022年04月20日 第2页,共11页

检测结果:

检测样品描述:

样品编号 SGS样品ID 描述 SN1 白色塑料部分 NGB22-006274.001 SN₂ NGB22-006274.002 银色金属部分

备注:

- (1) 1 mg/kg = 0.0001%
- (2) MDL = 方法检测限
- (3) ND = 未检出 (< MDL)
- (4) "-" = 未规定

RoHS指令2011/65/EU附录II的修正指令(EU) 2015/863

检测方法: 参考IEC 62321-4:2013+AMD1:2017, IEC 62321-5:2013, IEC 62321-7-2:2017, IEC 62321-6:2015和IEC 62321-8:2017, 采用ICP-OES,UV-Vis和GC-MS进行分析。

<u>检测项目</u>	<u>限值</u>	<u>单位</u>	<u>MDL</u>	<u>001</u>
镉(Cd)	100	mg/kg	2	ND
铅(Pb)	1000	mg/kg	2	ND
汞(Hg)	1000	mg/kg	2	ND
六价铬 (Cr(VI))	1000	mg/kg	8	ND
多溴联苯(PBBs)之和	1000	mg/kg	-	ND
一溴联苯	-	mg/kg	5	ND
二溴联苯	-	mg/kg	5	ND
三溴联苯	-	mg/kg	5	ND
四溴联苯	-	mg/kg	5	ND
五溴联苯	-	mg/kg	5	ND
六溴联苯	-	mg/kg	5	ND
七溴联苯	-	mg/kg	5	ND
八溴联苯	-	mg/kg	5	ND
九溴联苯	-	mg/kg	5	ND
十溴联苯	-	mg/kg	5	ND
多溴二苯醚之和(PBDEs)	1000	mg/kg	-	ND
一溴二苯醚	-	mg/kg	5	ND
二溴二苯醚	-	mg/kg	5	ND
三溴二苯醚	-	mg/kg	5	ND
四溴二苯醚	-	mg/kg	5	ND
五溴二苯醚	-	mg/kg	5	ND



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检测报告	编号: NGBEC2200627404	日期: 2022年04月20日	第3页,共11页
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检测项目	<u>限值</u>	<u>单位</u>	<u>MDL</u>	<u>001</u>
六溴二苯醚	-	mg/kg	5	ND
七溴二苯醚	-	mg/kg	5	ND
八溴二苯醚	-	mg/kg	5	ND
九溴二苯醚	-	mg/kg	5	ND
十溴二苯醚	-	mg/kg	5	ND
邻苯二甲酸二丁酯 (DBP)	1000	mg/kg	50	ND
邻苯二甲酸丁苄酯(BBP)	1000	mg/kg	50	ND
邻苯二甲酸二(2-乙基己基)酯(DEHP)	1000	mg/kg	50	ND
邻苯二甲酸二异丁酯(DIBP)	1000	mg/kg	50	ND

备注:

- (1) 最大允许极限值引用自RoHS指令(EU) 2015/863。
- (2) IEC 62321系列等同于 EN 62321系列

https://www.cenelec.eu/dyn/www/f?p=104:30:1742232870351101::::FSP_ORG_ID,FSP_LANG_ID:12586 37,25。

(3) 2021年7月22号开始, DEHP, BBP, DBP 和 DIBP的限制适用于医疗器械,包括体外医疗器械,监控仪 表,包括工业监测和控制仪器。

RoHS指令2011/65/EU附录II的修正指令(EU) 2015/863

检测方法: 参考IEC 62321-4:2013+AMD1:2017, IEC 62321-5:2013 和 IEC 62321-7-1:2015, 采 用ICP-OES和UV-Vis 进行分析.

<u>检测项目</u>	<u>限值</u>	<u>单位</u>	<u>MDL</u>	<u>002</u>
镉 (Cd)	100	mg/kg	2	ND
铅(Pb)	1000	mg/kg	2	ND
汞 (Hg)	1000	mg/kg	2	ND
六价铬(Cr(VI))▼	-	μg/cm²	0.10	ND

备注:

- (1) 最大允许极限值引用自RoHS指令(EU) 2015/863。
- (2) IEC 62321系列等同于 EN 62321系列

https://www.cenelec.eu/dyn/www/f?p=104:30:1742232870351101::::FSP_ORG_ID,FSP_LANG_ID:12586

- (3) ▼ = a. 当六价铬的浓度高于0.13 µg/cm2时,样品为阳性,即含有六价铬;
- b. 当六价铬的浓度为ND(低于0.10 μg/cm2)时,样品为阴性,即未检测到六价铬;
- c. 当六价铬的浓度介于0.10 μg/cm2与0.13 μg/cm2之间时,无法直接判定是否检测到六价铬,因不同个体 的样品表面差异可能会影响测定结果;

由于未获知样品的存储条件和生产日期,样品的六价铬测试结果仅能代表测试时样品含六价铬的状态。



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编号: NGBEC2200627404

日期: 2022年04月20日

第4页,共11页

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邮编: 315040 tHL (86-574)89070271 tML (86-574)89070242 sgs.china@sgs.com

中国・浙江・宁波高新区凌云路1177号



编号: NGBEC2200627404 日期: 2022年04月20日 第5页,共11页

附件: XH , 1.0, SH, SHD, 1.25, 51021, DF14, DF13, GH, ZH, PH, PHB, PA, PHSD, DF11, C1251, 51047, 51146, FI-S, PHD, YHD200, PA, SMP, SMW, SMH, SMH200, SMH200-H, YH200, 20039WR, 杜邦2.0, XH/TJC3, XA, HA, XHB, XHD, XHE, EH, EI, 小四P, 5263, SCND, JC15, JC20, JC25, 5102, 5240, SMH250, 5264, 5267, 5268, SZN, SAN, SCN, 25045HP, SM, TJC8, 杜邦2.54, TJC8A, 杜邦带锁, TJC8B, SMP250, SMW250, 25048HS, TJC8H, 5051, 2510, 美尚美, 43640, 43645, 43020, 43025, 5500, 5600, VH, VHRR, VHR, 35156, 2139, 3.96, 90331, 5195, 5196, 39612, FL, 5557, 5559, 5566 5569, SL, RV42, EL, YL, 小EL, 8981, 大四P, 5058, 5.08, L6.2, VL, VLP/VLR, TJC2A, TJC2B, TJC4, TJC1, 1806, MX3.0, 1.58, 51005, 51006, BH3.5, BH4.0, 63080, 51004, TJC15, A4203, CL014, OTP, MKH, SMF, Cy-X201, 35108, 35150, 35151, 35224 35180, 35965, 42021, 42022, 42002, 35955, SA, SCS, 35189, 35196, CH10, CH2.5, 543, SLP, SLR, YHL500, YWL500, FFC, FPC, 20030, 250, LGC, S11, YH025, 35155, 110, 2.8, 6.3, 5197, 5198, SCS 42474, 42475, QH, NV, 50300, 50301, 5025, 3191, 5199, STV5, YHL500, YWL500, F001, F002, D440, D600, D620, D700, D220, D230, D250, D480, D520, D630, D430, D400, D450, U-T, F1001-T, SIN-T, 774, 773, 778, 294, TU-JTK(SV), TU(SNB), TO-JTK(RV), MDD, FDD, TG-JT, IDC, AUTO, CONNECTOR, DJ70, DT04, DT06, UY/K1, UY2/K2, UR/K3, UR2, UB/K4, UB2A, UG/K5, U1R/K8, U1B/K9, HJKT10, 314, A5001, A5002, MC100, FPC2.54, SGN, PHR, ZHR, 205, 5.2, C1801, 2060, A5003, ME020, ME010, FPC/FFC, B2541, 1971845, 1971846, 2232043, 2232511, 1971895, 1971896, JWPF, SY, Molex1.5, MEO100, RAST, A5004, 2232044, SJN, SDN, 35182, 35524, RCY, LC, VR, SHJ, SHL, DF19, ACH, IL-Z, SATA, SUR, SUH, ZE, ZND, ZPD, SFH, PUD, AMP2.0, 35507, DF3, PND, RE, RA, RF, SYP/SYR, HIF3, MC100/ME020/ME010, F2541, A5005, A5006, A5007, A2509, A25010, A25011, A25012, B13001, B76201, VHB, VHC, VHD 1969738, 1969740, 1971845, 1971846, 1971895, 1971896, 1971946 thru 1971949, 1971954 thru 1971957, 2232008 thru 2232011, 2232000 thru 2232003, 2232016 thru 2232019, 1971962 thru 1971965, 2232024 thru 2232027, 2232289 thru 2232292, 2232043 thru 2232074, 2232298 thru 2232301, 2232511, 2232532, 2232557, 2232559, 2232560, 2232562, 2232563, 2232565, 2232566, 2232568, 2232569, 2232571, 2232572, 2232574, 2232575, 2232577, 2232578, 2232580, 2232581, 2232583, 2232584, 2232586, 2232587, 2232589, 2232590, 2232592, 2232593, 2232595, 2232596, 2232598, 2232599, 2232601, 2232602, 2232604, 2232605, 2232607, 2232608, 2232611 thru 2232682, 2292457, 2292458, 1064, 2064, 3064, 1080, 2080, 3080, 1100, 2100, 3100, 1120, 2120, 3120, 1150, 2150, 3150, 1180, 2180, 3180, 1230, 2230, 3230, 1250, 2250, 3250, 1280, 2280, 3280, 1300, 2300, 3300, 1480, 2480, 3480, 1630, 2630, 3630, 1780, 2780, 3780, 1950, 2950, 3950, 1010, 2010, 3010, 1013, 2013, 3013, 1015, 2015, 3015, 1016, 2016, 3016, 1025, 2025, 3025, 1035, 2035, 3035, 1045, 2045, 3045, 1058, 2058, 3058, 1999, 2999, 3999, 401, 402, 403, 503, TPA, BX A1001 A1002 A1003 A1004 A1005 A1006 A1007 A1008 A1009 A1251 A1252 A1253 A1255 A1256 A1257 A1258 A1259 A1501 A1502 A1503 A1504 A1505 A1506 A1507 A1508 A1509 A2001 A2002 A2003 A2004 A2005 A2006 A2007 A2008 A2009 A2010 A2011 A2012 A2013 A2014 A2015 A2016 A2017 A2018 A2501 A2502 A2503 A2504 A2505 A2506 A2507 A2508 A2509 A25010 A25011 A25012 A25013 A25014 A25015 A25016 A25017 A25018 A2541 A2542 A2544 A2545 A2547 A2548 A2549 A3001 A2543 A2546 A3002 A3003 A3004 A3005 A3006 A3007 A3008 A3009 A3301 A3302 A3303 A3304 A3305 A3306 A3307 A3308 A3309 A3961 A3962 A3963 A3964 A3965 A3966 A3967 A3968 A3969 A4201 A4202 A4203 A4204 A4205 A4206 A4207 A4208 A5002 A5003 A5004 A5005 A5006 A5007 A4209 A5001 A5008 A5009 A6502 A5081 A5083 A5086 A5087 A5088 A5089 A6501 A5082 A5084 A5085 A6503 A6504 B1253 B1254 B1256 A6505 A6506 A6507 A6508 A6509 B1251 B1252 B1255 B1257 B1258 B2002 B1259 B1501 B1503 B1504 B1508 B1509 B2001 B2003 B1502 B1505 B1506 B1507



B2005

B2006

B2007

B2008

B2009 B2501

B2004

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B2503

B2504

B2505

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B2502

B2507



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B2508 B2509 B2541 B2542 B2543 B2544 B2545 B2546 B2547 B2548 B2549 B76201 B76202 B76204 B76205 B76206 B76207 B76208 B76209 B13001 B13002 B76203 B13003 B13004 B13007 B13008 B13009 C01581 C01582 C01583 C01584 C01585 C01586 B13005 B13006 C01587 C01588 C01589 C1251 C1252 C1253 C1254 C1255 C1256 C1257 C1258 C1259 C1501 C1502 C1503 C1504 C1505 C1506 C1507 C1508 C1509 C2001 C2002 C2003 C2004 C2005 C2006 C2007 C2008 C2009 C2501 C2502 C2503 C2504 C2505 C2506 C2507 C2508 C2509 C25010 C25011 C25012 C25013 C25014 C25015 C25016 C25017 C25018 C2541 C2542 C2543 C2544 C2545 C2546 C2547 C2548 C2549 C3001 C3002 C3003 C3004 C3005 C3006 C3007 C3008 C3009 C3501 C3502 C3503 C3504 C3505 C3506 C3507 C3509 C3681 C3682 C3683 C3684 C3685 C3686 C3687 C3688 C3689 C3961 C3962 C3963 C3964 C3965 C3966 C3967 C3968 C3969 C4001 C4002 C4003 C4004 C4005 C4006 C4007 C4008 C4009 C4141 C4142 C4143 C4144 C4145 C4146 C4147 C4148 C4149 C4201 C4202 C4203 C4204 C4205 C4206 C4207 C4208 C4209 C4501 C4502 C4503 C4504 C4505 C4506 C4507 C4508 C4509 C5001 C5002 C5003 C5004 C5005 C5006 C5007 C5008 C5009 C6201 C6202 C6203 C6204 C6205 C6206 C6207 C6208 C6209 C6351 C6352 C6353 C6354 C6355 C6356 C6357 C6358 C6359 D2801 D2802 D2803 D2804 D2805 D2806 D2807 D2808 D2809 D4801 D4802 D4803 D4804 D4805 D4806 D5202 D5203 D5206 D4807 D4808 D4809 D5201 D5204 D5205 D5207 D5208 D5209 D6301 D6302 D6303 D6304 D6305 D6306 D6307 D6308 D6309 D6201 D6202 D6203 D6204 D6205 D6206 D6207 D6208 D6209 D7001 D7002 D7003 D7004 D7005 D7006 D7007 D7008 D7009 F0502 F0503 F0504 F0505 F0506 F0507 F0508 F0509 F05010 F0501 F05011 F05012 F05013 F05014 F05015 F05016 F05017 F05018 F1001 F1003 F1002 F1004 F1005 F1006 F1007 F10011 F10012 F10013 F10014 F10015 F10016 F10017 F10018 F2541 F2542 F1008 F1009 F10010 P0003 F2546 F2548 F2549 P0001 P0002 P0005 F2543 F2544 F2545 F2547 P0004 P0006 P0007 P0008 P0009 P0011 P0012 P0013 P0014 P0015 P0018 P0019 P0010 P0016 P0017 P0020 P0021 P0023 P0024 P0027 D2301 P0022 P0025 P0026 D2302 D2303 D2304 D2305 D2306 D2307 D2308 D2309 D6001 D6002 D6003 D6004 D6005 D6006 D6007 D6008 D6009 D2201 D2202 D2203 D2204 D2205 D2206 D2207 D2208 D2209



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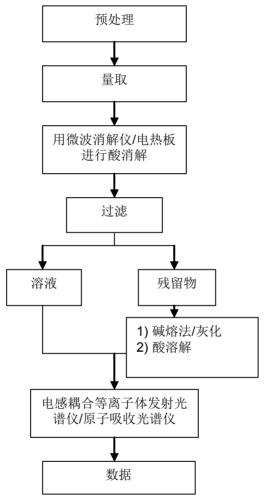
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附件

元素(IEC62321) 测试流程图

1)样品按照下述流程被完全消解





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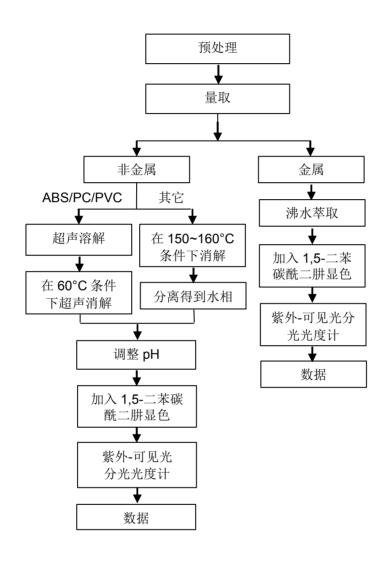
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附件

六价铬测试流程图





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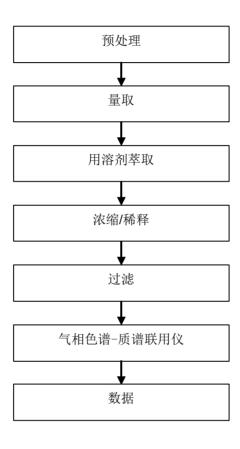
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PBBs/PBDEs 测试流程图





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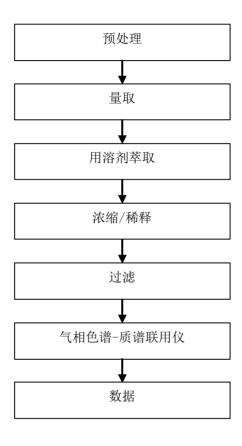
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Phthalates 测试流程图





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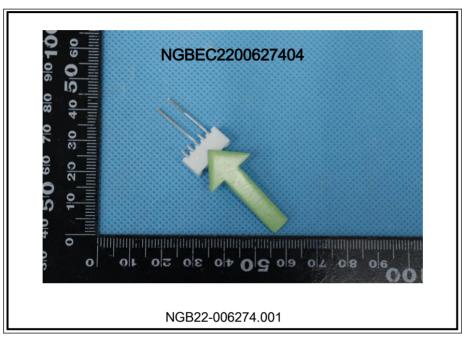


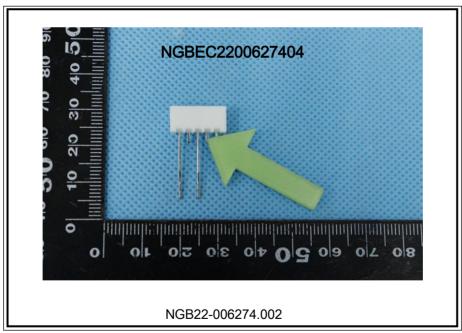
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样品照片:





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*** 报告完 ***



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检测报告 编号: NGBEC2200697404 日期: 2022年04月27日 第1页,共13页

客户名称: 浙江联和电子有限公司

浙江省乐清市乐清湾港区乐商创业园 客户地址:

样品名称: PA66 连接器

型号: XHD-5A 客户参考信息: 见附件

以上样品及信息由客户提供。

SGS工作编号: NP22-001952 - NB

样品接收日期: 2022年04月21日

2022年04月21日 - 2022年04月27日 检测周期:

检测要求: 根据客户要求检测 检测方法: 请参见下一页 检测结果: 请参见下一页

检测结果概要:

检测要求	结论
卤素	见检测结果
1907/2006/EC Reach 附录XVII第52条的修正指令552/2009/EC和第51条的修正法案(EU) 2018/2005-邻苯二甲酸盐(或酯)含量	符合
多环芳香烃(PAHs)	符合
多环芳香烃(PAHs)	符合
1907/2006/EC REACH 附录XVII的修正指令(EC) No 276/2010第20条- 有机锡化合物	符合

通标标准技术服务有限公司宁波分公司 授权签名

张倩倩

Ashley Zhang张倩倩 批准签署人





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检测报告 编号: NGBEC2200697404 日期: 2022年04月27日 第2页.共13页

检测结果:

检测样品描述:

样品编号 SGS样品ID 描述

> SN₁ NGB22-006974.001 白色塑料部分

备注:

(1) 1 mg/kg = 0.0001%

(2) MDL = 方法检测限

(3) ND = 未检出 (< MDL)

(4) "-" = 未规定

卤素

参照EN 14582: 2016 方法 测定,采用 IC进行分析。 检测方法:

检测项目	<u>单位</u>	<u>MDL</u>	<u>001</u>
氟 (F)	mg/kg	50	ND
氯 (CI)	mg/kg	50	ND
溴 (Br)	mg/kg	50	ND
碘 (I)	mg/kg	50	ND

邻苯二甲酸酯

检测方法: 参考CPSC-CH-C1001-09.3,用GC-MS分析。

001 检测项目 CAS NO. 限值 单位 **MDL** 邻苯二甲酸二异壬酯 (DINP) 28553-12-0/ 0.06 0.005 ND 68515-48-0

结论 符合

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备注:

(1) 根据客户要求,选取可接触部位进行检测

1907/2006/EC Reach附录XVII第52条的修正指令552/2009/EC和第51条的修正法案(EU) 2018/2005-邻苯二甲酸 盐(或酯)含量

检测方法: 参照EN 14372: 2004的方法, 采用GC-MS进行分析.



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检测报告 编号: NGBEC2200697404 日期: 2022年04月27日 第3页.共13页

<u>检测项目</u> 与嘴部接触的玩具或儿童护理 品	CAS NO.	<u>限值</u>	<u>单位</u>	<u>MDL</u>	<u>001</u>
邻苯二甲酸二异壬酯 (DINP)	28553-12-0/	-	%	0.010	ND
邻苯二甲酸二正辛酯 (DNOP)	68515-48-0 117-84-0	-	%	0.003	ND
邻苯二甲酸二异癸酯 (DIDP)	26761-40-0	-	%	0.010	ND
合计(DINP+DNOP+DIDP)	/68515-49-1	0.1	%	-	ND
塑化材料					
邻苯二甲酸二丁酯 (DBP)	84-74-2	0.1	%	0.003	ND
邻苯二甲酸丁苄酯 (BBP)	85-68-7	0.1	%	0.003	ND
邻苯二甲酸二(2-乙基己基)酯	117-81-7	0.1	%	0.003	ND
(DEHP) 邻苯二甲酸二异丁酯(DIBP)	84-69-5	0.1	%	0.003	ND
合计(DBP+BBP+DEHP+DIBP)		0.1	%	-	ND
结论					符合

备注:

- (1)欧盟采用1907/2006/EC Reach 附录XVII的修正指令---552/2009/EC第51和52条(前身为2005/84/EC),
- (1-1) 该指令禁止质量百分比超过0.1%的DBP, BBP和DEHP 用在儿童物品的任何玩具中.
- (1-2) 该指令禁止质量百分比超过0.1%的DINP, DNOP和DIDP用在儿童可能吞咽的任何玩具中.
- 详细信息请参见Regulation (EC) No 552/2009

多环芳香烃(PAHs)

检测方法: 参考AfPS GS 2019:01 PAK 方法检测, 采用 GC-MS进行分析。

<u>检测项目</u>	<u>单位</u>	<u>MDL</u>	<u>001</u>
苯并(a)芘 (BaP)	mg/kg	0.1	ND
苯并(e)芘 (BeP)	mg/kg	0.1	ND
苯并(a)蒽 (BaA)	mg/kg	0.1	ND
苯并(b)荧蒽 (BbF)	mg/kg	0.1	ND
苯并(j)荧蒽 (BjF)	mg/kg	0.1	ND
苯并 (k)荧蒽 (BkF)	mg/kg	0.1	ND
蒀 (CHR)	mg/kg	0.1	ND



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检测报告 编号: NGBEC2200697404 日期: 2022年04月27日 第4页.共13页

检测项目	单位	<u>MDL</u>	<u>001</u>
崫 (CHR)	mg/kg	0.1	ND
二苯并(a,h)蒽(DBA)	mg/kg	0.1	ND
苯并(g,h,i)	mg/kg	0.1	ND
茚苯(1,2,3-c,d)芘 (IPY)	mg/kg	0.1	ND
菲 (PHE)	mg/kg	0.1	ND
芘 (PYR)	mg/kg	0.1	ND
蒽 (ANT)	mg/kg	0.1	ND
荧蒽 (FLT)	mg/kg	0.1	ND
4项多环芳香烃总和[菲 (PHE), 芘 (PYR), 蒽 (ANT), 荧蒽 (FLT)]	mg/kg	-	ND
萘 (NAP)	mg/kg	0.1	ND
15项多环芳香烃总和	mg/kg	-	ND
材料分类	-	-	2
结论			符合

备注:

根据客户提供的信息,检测样品为产品安全法涉及的非儿童使用产品(小于14岁)。



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检测报告 编号: NGBEC2200697404 日期: 2022年04月27日 第5页.共13页

AfPS(德国产品安全委员会):多环芳香烃的要求

	1 类	2	类	3 -	类		
参数	设计意图为放入口中的材料,或与皮肤长期接触(超过30秒)的材料用于	不属于第 1 类,设计意图或可预见 d 与皮肤长期接触(超过 30秒)或短期重复接触 c 的材料		见 d 与皮肤长期接触(超过 30		不属于第1和23 可预见与皮 (不超过3	
(mg/kg)	-2009/48/EC 定 义的玩具,或 -供3岁以下儿童 ^{a,b} 使用。	a.供儿童 使用的产品	b.其他产品	a.供儿童 使用的产品	b.其他产品		
苯并(a)芘 (BaP)	< 0.2	< 0.2	< 0.5	< 0.5	< 1		
苯并(e)芘 (BeP)	< 0.2	< 0.2	< 0.5	< 0.5	< 1		
苯并(a)蒽 (BaA)	< 0.2	< 0.2	< 0.5	< 0.5	< 1		
苯并(b)荧蒽 (BbF)	< 0.2	< 0.2	< 0.5	< 0.5	< 1		
苯并(j)荧蒽 (BjF)	< 0.2	< 0.2	< 0.5	< 0.5	< 1		
苯并 (k)荧蒽 (BkF)	< 0.2	< 0.2	< 0.5	< 0.5	< 1		
萉 (CHR)	< 0.2	< 0.2	< 0.5	< 0.5	< 1		
二苯并(a,h)蒽 (DBA)	< 0.2	< 0.2	< 0.5	< 0.5	< 1		
苯并(g,h,i)菲(二萘嵌苯) (BPE)	< 0.2	< 0.2	< 0.5	< 0.5	< 1		
茚苯(1,2,3-c,d)芘 (IPY)	< 0.2	< 0.2	< 0.5	< 0.5	< 1		
菲 (PHE),芘 (PYR),蒽 (ANT),荧蒽 (FLT)	<1(总和)	< 5 (总和)	< 10 (总和)	< 20 (总和)	< 50 (总和)		
萘 (NAP)	< 1	<	2	< '	10		
15 PAH之和	<1	< 5	< 10	< 20	< 50		

多环芳香烃(PAHs)

检测方法: 参考AfPS GS 2019:01 PAK 方法检测,采用 GC-MS进行分析。

<u>检测项目</u>	<u>限值</u>	<u>单位</u>	<u>MDL</u>	<u>001</u>
苯并 (a) 蒽 (BaA)	1	mg/kg	0.1	ND
崫 (CHR)	1	mg/kg	0.1	ND
苯并 (b) 荧蒽 (BbF)	1	mg/kg	0.1	ND
苯并 (j) 荧蒽 (BjF)	1	mg/kg	0.1	ND
苯并 (k) 荧蒽 (BkF)	1	mg/kg	0.1	ND
苯并 (e) 芘 (BeP)	1	mg/kg	0.1	ND
苯并 (a) 芘 (BaP)	1	mg/kg	0.1	ND



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检测报告 编号: NGBEC2200697404 日期: 2022年04月27日 第6页,共13页

检测项目 限值 单位 001 MDL 二苯并 (a, h) 蒽 (DBA) 0.1 ND 1 mg/kg 符合 结论

1907/2006/EC REACH附录XVII的修正指令(EC) No 276/2010第20条- 有机锡化合物

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检测方法: 参照ISO 17353: 2004 方法测定, 采用 GC-MS进行分析.

检测项目	<u>限值</u>	单位	<u>MDL</u>	<u>001</u>
三丁基锡 (TBT)以锡计	-	%	0.01	ND
三苯基一氯代锡(TPT)以锡	-	%	0.01	ND
三丙基锡(TPrT)以锡计	-	%	0.01	ND
三环己基锡 (TCyT)以锡计	-	%	0.01	ND
三辛基锡(TOT)以锡计	-	%	0.01	ND
三甲基锡(TMT)以锡计	-	%	0.01	ND
三取代有机锡化合物之和*(以锡计)	0.1	%	-	ND
二丁基锡(DBT)化合物(以锡计)	0.1	%	0.01	ND
二辛基锡(DOT)化合物(以锡计)	0.1	%	0.01	ND
结论				符合

除非另有说明,参照ILAC-G8:09/2019,使用简单接受(w=0)的二元判定规则进行符合性判定。 除非另有说明,此报告结果仅对检测的样品负责。本报告未经本公司书面许可,不可部分复制。 检测报告仅用于客户科研、教学、内部质量控制、产品研发等目的,仅供内部参考。



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附件: XH , 1.0, SH, SHD, 1.25, 51021, DF14, DF13, GH, ZH, PH, PHB, PA, PHSD, DF11, C1251, 51047, 51146, FI-S, PHD, YHD200, PA, SMP, SMW, SMH, SMH200, SMH200-H, YH200, 20039WR, 杜邦2.0, XH/TJC3, XA, HA, XHB, XHD, XHE, EH, EI, 小四P, SCND, JC15, JC20, JC25, 5102, 5264, 5267, 5268, SZN, SAN, SCN, 5240, SMH250, 25045HP, SM, TJC8, 杜邦2.54, TJC8A, 杜邦带锁, TJC8B, SMW250, 25048HS, 5051, 2510, 美尚美, 43640, 43645, 43020, 43025, 5500, 5600, VH, VHRR, TJC8H, VHR, 35156, 2139, 3.96, 90331, 5195, 5196, 39612, FL, 5557, 5559, 5566 YH396, SL, RV42, EL, YL, 小EL, 8981, 大四P, 5058, 5.08, L6.2, VL, VLP/VLR, TJC2A, TJC2B, TJC4, TJC1, 1806, MX3.0, 1.58, 51005, 51006, BH3.5, BH4.0, 63080, 51004, TJC15, A4203, CL014, OTP, MKH, SMF, Cy-X201, 35108, 35150, 35151, 35224, 35965, 42021, 42022, 42002, 35955, SA, SCS, 35189, 35196, CH10, CH2.5, 543, SLP, SLR, YHL500, YWL500, FFC, FPC, 20030, 250, LGC, S11, YH025, 25415, 5197, 5198, 110, 2.8, 6.3, SCS NH, XHQ, 42474, 42475, QH, NV, 50300, 50301, 5025, 3191, 5199, STV5, YHL500, F001, F002, D440, D600, D620, D700, D220, D230, D250, D480, D520, D630, D430, D400, D450, U-T, F1001-T, SIN-T, 774, 773, 778, 294, TU(SNB), TO-JTK(RV), MDD, FDD, TG-JT, IDC, AUTO, CONNECTOR, DJ70, DT04, DT06, UY/K1, UY2/K2, UR/K3, UR2, UB/K4, UB2A, UG/K5, U1R/K8, U1B/K9, HJKT10, 314, A5001, A5002, MC100, FPC2.54, SGN, PHR, ZHR, 205, 5.2, C1801, 2060, A5003, ME020, ME010, FPC/FFC, B2541, 1971845, 1971846, 2232043, 2232044, 2232511, 1971895, 1971896, JWPF, SY, Molex1.5, ME0100, RAST, A5004, SJN, SDN, 35182, 35524, RCY, LC, VR, SHJ, SHL, DF19, ACH, IL-Z, SATA, SUR, SUH, ZE, ZND, ZPD, SFH, PUD, AMP2.0, 35507, DF3, PND, RE, RA, RF, SYP/SYR, HIF3, MC100/ME020/ME010, F2541, A5005, A5006, A5007, A2509, A25010, A25011, A25012, B13001, B76201, VHB, VHC, VHD 1969738, 1969740, 1971845, 1971846, 1971895, 1971896, 1971946 thru 1971949, 1971954 thru 1971957, 2232008 thru 2232011, 2232000 thru 2232003, 2232016 thru 2232019, 1971962 thru 1971965, 2232024 thru 2232027, 2232289 thru 2232292, 2232043 thru 2232074, 2232298 thru 2232301, 2232511, 2232532, 2232557, 2232559, 2232560, 2232562, 2232563, 2232565, 2232566, 2232568, 2232569, 2232571, 2232572, 2232574, 2232575, 2232577, 2232578, 2232580, 2232581, 2232583, 2232584, 2232586, 2232587, 2232589, 2232590, 2232592, 2232593, 2232595, 2232596, 2232598, 2232599, 2232601, 2232602, 2232604, 2232605, 2232607, 2232608, 2232611 thru 2232682, 2292457, 2292458, 1064, 2064, 3064, 1080, 2080, 3080, 1100, 2100, 3100, 1120, 2120, 3120, 1150, 2150, 3150, 1180, 2180, 3180, 1230, 2230, 3230, 1250, 2250, 3250, 1280, 2280, 3280, 1300, 2300, 3300, 1480, 2480, 3480, 1630, 2630, 3630, 1780, 2780, 3780, 1950, 2950, 3950, 1010, 2010, 3010, 1013, 2013, 3013, 1015, 2015, 3015, 1016, 2016, 3016, 1025, 2025, 3025, 1035, 2035, 3035, 1045, 2045, 3045, 1058, 2058, 3058, 1999, 2999, 3999, 401, 402, 403, 503, TPA, BX A1001 A1002 A1003 A1004 A1005 A1006 A1007 A1008 A1009 A1251 A1252 A1253 A1501 A1502 A1255 A1256 A1257 A1258 A1259 A1504 A1505 A1506 A1503 A1507 A1508 A2003 A2004 A1509 A2001 A2002 A2005 A2006 A2007 A2008 A2009 A2010 A2011 A2012 A2501 A2502 A2013 A2014 A2015 A2016 A2017 A2018 A2503 A2504 A2505 A2506 A2507 A25010 A25011 A25012 A25013 A25014 A25015 A25016 A25017 A25018 A2541 A2508 A2509 A2542 A2543 A2544 A2545 A2546 A2547A2548 A2549 A3001 A3002 A3003 A3004 A3005 A3006 A3007 A3008 A3009 A3301 A3302 A3303 A3304 A3305 A3306 A3307 A3308 A3309 A3961 A3962 A3963 A3964 A3965 A3966 A3967 A3968 A3969 A4201 A4202 A4203 A4204 A4205 A4206 A4207 A4208 A4209 A5001 A5002 A5003 A5004 A5005 A5006 A5007 A5008 A5009 A5081 A5083 A5084 A5085 A5086 A5087 A5088 A5089 A6501 A6503 A5082 A6502 A6504



A6506

B2005

A6507

B1502

B2006

A6508

B1503

B2007

A6509 B1251

B1505

B2009 B2501

B1504

B2008

B1252

B1506

B1253

B1507

B2502

A6505

B2004

B1259 B1501

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B1254

B1508

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B1509 B2001

B1256

B2505

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B2002

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B2003

B2507



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B2508 B2509 B2541 B2542 B2543 B2544 B2545 B2546 B2547 B2548 B2549 B76201 B76202 B76204 B76205 B76206 B76207 B76208 B76209 B13001 B13002 B76203 B13003 B13004 B13007 B13008 B13009 C01581 C01582 C01583 C01584 C01585 C01586 B13005 B13006 C01587 C01588 C01589 C1251 C1252 C1253 C1254 C1255 C1256 C1257 C1258 C1259 C1501 C1502 C1503 C1504 C1505 C1506 C1507 C1508 C1509 C2001 C2002 C2003 C2004 C2005 C2006 C2007 C2008 C2009 C2501 C2502 C2503 C2504 C2505 C2506 C2507 C2508 C2509 C25010 C25011 C25012 C25013 C25014 C25015 C25016 C25017 C25018 C2541 C2542 C2543 C2544 C2545 C2546 C2547 C2548 C2549 C3001 C3002 C3003 C3004 C3005 C3006 C3007 C3008 C3009 C3501 C3502 C3503 C3504 C3505 C3506 C3507 C3509 C3681 C3682 C3683 C3684 C3685 C3686 C3687 C3688 C3689 C3961 C3962 C3963 C3964 C3965 C3966 C3967 C3968 C3969 C4001 C4002 C4003 C4004 C4005 C4006 C4007 C4008 C4009 C4141 C4142 C4143 C4144 C4145 C4146 C4147 C4148 C4149 C4201 C4202 C4203 C4204 C4205 C4206 C4207 C4208 C4209 C4501 C4502 C4503 C4504 C4505 C4506 C4507 C4508 C4509 C5001 C5002 C5003 C5004 C5005 C5006 C5007 C5008 C5009 C6201 C6202 C6203 C6204 C6205 C6206 C6207 C6208 C6209 C6351 C6352 C6353 C6354 C6355 C6356 C6357 C6358 C6359 D2801 D2802 D2803 D2804 D2805 D2806 D2807 D2808 D2809 D4801 D4802 D4803 D4804 D4805 D4806 D5202 D5203 D5206 D4807 D4808 D4809 D5201 D5204 D5205 D5207 D5208 D5209 D6301 D6302 D6303 D6304 D6305 D6306 D6307 D6308 D6309 D6201 D6202 D6203 D6204 D6205 D6206 D6207 D6208 D6209 D7001 D7002 D7003 D7004 D7005 D7006 D7007 D7008 D7009 F0502 F0503 F0504 F0505 F0506 F0507 F0508 F0509 F05010 F0501 F05011 F05012 F05013 F05014 F05015 F05016 F05017 F05018 F1001 F1003 F1002 F1004 F1005 F1006 F1007 F10011 F10012 F10013 F10014 F10015 F10016 F10017 F10018 F2541 F2542 F1008 F1009 F10010 P0003 F2546 F2548 F2549 P0001 P0002 P0005 F2543 F2544 F2545 F2547 P0004 P0006 P0007 P0008 P0009 P0011 P0012 P0013 P0014 P0015 P0018 P0019 P0010 P0016 P0017 P0020 P0021 P0023 P0024 P0027 D2301 P0022 P0025 P0026 D2302 D2303 D2304 D2305 D2306 D2307 D2308 D2309 D6001 D6002 D6003 D6004 D6005 D6006 D6007 D6008 D6009 D2201 D2202 D2203 D2204 D2205 D2206 D2207 D2208 D2209



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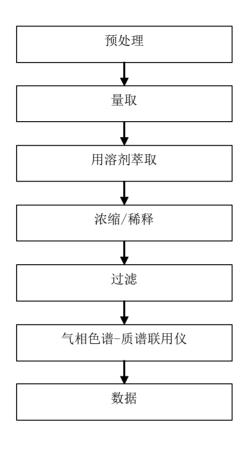


附件

编号: NGBEC2200697404

日期: 2022年04月27日 第9页.共13页

Phthalates 测试流程图





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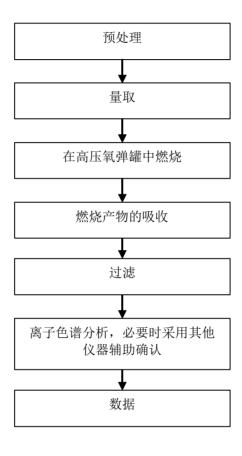


附件

编号: NGBEC2200697404

日期: 2022年04月27日 第10页.共13页

Halogen(氧弹法)测试流程图





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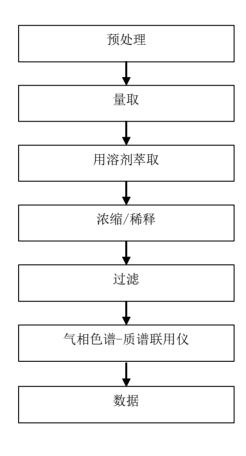


附件

编号: NGBEC2200697404

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PAHs 测试流程图





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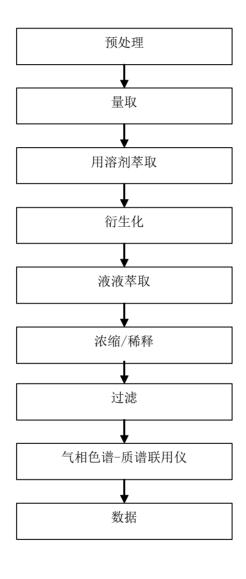


附件

编号: NGBEC2200697404

日期: 2022年04月27日 第12页.共13页

Organotin 测试流程图





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MATERIAL SAFETY DATA SHEET

According to 91/155/EC

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01- IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

NAME OF THE PREPARATION PA66-RG(g)1

g----Replaced by two digits to denote 0-50% Glass Fiber Content

SUPPLIER KINGFA SCI.&TECH.CO.,LTD

ADDRESS Gaotang Industry Zone, Tianhe District,

Guangzhou, China, 510520

TELEPHONE/FAX +86-20-87037818 /+86-20-87036219

EMERGENCY TELEPHONE NO. +86-20-87036220

02-COMPOSITION/INFORMATION ON INGREDIENTS

PA66(POLYAMIDE 66) 27%-77% CAS: 32131-17-2

FLAME RETARDANT 22%-25% CAS:

GLASS FIBER 0-50% CAS: 65997-17-3

OTHERS 0-1.5% IMPURITIES CONTRIBUTING NONE

TO HAZARD

03-HAZARDS IDENTIFICATION

HEALTH EFFECTS Limited evidence of a carcinogenic effect

Prolonged and /or repeated contacts: Risk of skin sensitization When handled at high temperatures, can cause serious burns

PHYSICAL AND CHEMICAL Dust can form explosive mixture with air

HAZARDS At high temperature thermal decomposition giving flammable and

harmful products, formation of toxic products through combustion

SPECIAFIC HAZARDS/EC Limited evidence of a carcinogenic effect

04-FIRST AID MEASURES

EYE CONTACT Cool eyes rapidly with plenty of cold water after contact with

molten polymer and seek medical advice

SKIN CONTACT Cool skin rapidly with plenty of cold water after contact with

molten polymer and seek medical advice

INGESTION If vomiting occurs, lower the head to ease vomiting

and seek medical advice

INHALATION Inhalation of vapors due to thermal decomposition: remove to fresh

air, oxygen or artificial respiration if needed

05-FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES Flash point: Not determined

Auto ignition temperature: Not determined

EXTINGUISHING MEDIA Water spray, Dry powder, Carbon dioxide (CO₂)

SPECIFIC HAZARDS Above 300°C, possible formation of Styrene, Toluene,

Ketones and Alcohols (small quantities)

Formation of toxic products through combustion: Carbon oxides,

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Hydrogen bromide

FIRE FIGHTING INSTRUCTIONS Keep people away, isolate fire area and deny unnecessary entry

Cool surroundings with water to localize fire zone

Hand held carbon dioxide or dry chemical water to cool and

prevent re-ignition

06-ACCIDENTAL RELEASE MEASURES

PERSONAL PROTECTION Do not breathe vapors/dust

Sweep up to prevent hazard slipping

ENVIRONMENTAL Do not release into the environment PROTECTION Do not let the product enter into drains

METHODS FOR CLEANING UP Recover the product

Recycle or incinerate at an approved waste disposal site

07-HANDLING AND STORAGE

HANDLING Prevent from fire around handling area.

Avoid accumulation of static charges during transfers in metallic

systems, wear a mask to avoid dust formation

STORAGE Keep the materials at a cool dry place

Protect from direct sunlight, rain and violent temperature

fluctuation. Fire is inhibited around storage area

08-EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS Ensure ventilation of work areas and extraction of dust or vapors

likely to be given off during conversion operations

EXPOSURE LIMIT Not determined

PERSONAL PROTECTION EQUIPMENT

Eye protection Wear safety glasses for general purpose

Wear chemical goggles for cleaning molding machines

Hand protection Wear gloves (product handled in molten state)

Skin and body protection Wear protective clothing (product handled in molten state)

Respiratory protection In case of dust formation, wear a dust mask

In case of insufficient ventilation, wear suitable respiratory

equipment

09-PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE Solid (pellets)
COLOR Opaque
ODOUR Very faint
BOILING POINT/RANGE Not applicable

MELTING POINT 260°C

THERMAL DECOMPOSITION starts at about 350°C VAPOUR PRESSURE Not applicable SOLUBILITY IN WATER Not soluble

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SPECIFIC GRAVITY >1.0

10-STABILITY AND REACTIVITY

STABILITY Combustible gases are released at the temperature over 300°C

INCOMPATIBILITY Strong oxidizers

HAZARDOUS DECOMPOSITION Combustion may produce carbon monoxide, hydrocarbons,

PRODUCTS hydrogen bromide and carbon dioxide

HAZARDOUS Will not occur

POLYMERIZATION

11-TOXICOLOGICAL INFORMATION

See section 3 for potential health effects. For detailed toxicological data, write or call the address or emergency number shown in section 1

12-ECOLOGICAL INFORMATION

To avoid being taken by ocean species or birds

To inhibit disposal of the waste to the ocean and water sources

13-DISPOSAL CONSIDERATIONS

Controlled incineration or landfill according to local, state or national laws and regulations concerning health and pollution

Inadequate incineration may generate toxic gases such as CO, SM, HBr, C₂H₄, Benzene and Toluene

14-TRANSPORT INFORMATION

ADR/RID Not regulated AND/ADNR Not regulated **IMDG** Not regulated **IATA** Not regulated

Consult KINGFA's safety department for any further information

15-REGULATORY INFORMATION

WEEE/ROHS DIRECTIVE **CONFORMS**

INVENTORIES EINECS (EU): Conforms

> TSCA (USA): Conforms DSL (Canada): Conforms AICS (Australia): Conforms ECL (Korea): Conforms

SAFETY DATA SHEETS D.91/155/EEC amended by D.93/112/EEC and D.2001/58/CE

16-OTHER INFORMATION

This message is based on our present knowledge. However this will not constitute a guarantee for any specific products features and should not establish a legally valid contractual relationship.

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反馈与建议: 		