

检测报告

编号: SHAEC24004106004

日期: 2024 年 03 月 12 日

第 1 页, 共 10 页

客户名称: 上海友邦电气(集团)股份有限公司
客户地址: 上海市松江区佘山镇吉业路 528 号

样品名称: 接线端子
型号: UJ5-2.5/2×2
客户参考信息: 见附页
以上样品及信息由客户提供。

SGS 工作编号: TIC1020240307154805NHB2
样品接收时间: 2024 年 03 月 08 日
检测周期: 2024 年 03 月 08 日 ~ 2024 年 03 月 12 日
检测要求: 根据客户要求检测。
检测方法: 见后续页。
检测结果: 见后续页。

检测要求	结论
欧盟 RoHS 指令 2011/65/EU 附录 II 的修正指令(EU) 2015/863-铅、汞、镉、六价铬、多溴联苯 (PBB)、多溴二苯醚 (PBDE)、邻苯二甲酸二(2-乙基己基)酯 (DEHP)、邻苯二甲酸丁苄酯 (BBP)、邻苯二甲酸二丁酯 (DBP)和邻苯二甲酸二异丁酯 (DIBP)	符合
欧盟 RoHS 指令 2011/65/EU 附录 II 的修正指令(EU) 2015/863-铅、汞、镉和六价铬	符合

通标标准技术服务(上海)有限公司
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倪俊

Tom Ni 倪俊
批准签署人

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第 2 页, 共 10 页

检测结果:

检测部件外观描述:

样品序号	样品编号	SGS 样品 ID	样品描述
SN1	A5	SHA24-0041060-0001.C005	灰色固体
SN2	A6	SHA24-0041060-0001.C006	银色/铜色金属
SN3	A7	SHA24-0041060-0001.C007	银色金属

备注:

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

欧盟 RoHS 指令 2011/65/EU 附录 II 的修正指令(EU) 2015/863-铅、汞、镉、六价铬、多溴联苯 (PBB)、多溴二苯醚 (PBDE)、邻苯二甲酸二(2-乙基己基)酯 (DEHP)、邻苯二甲酸丁苄酯 (BBP)、邻苯二甲酸二丁酯 (DBP)和邻苯二甲酸二异丁酯 (DIBP)

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/AAS, UV-Vis 和 GC-MS 进行分析。

检测项目	限值	单位	MDL	A5
铅 (Pb)	1000	mg/kg	2	ND
汞 (Hg)	1000	mg/kg	2	ND
镉 (Cd)	100	mg/kg	2	ND
六价铬 (Cr(VI))	1000	mg/kg	8	ND
多溴联苯之和 (PBB)	1000	mg/kg	-	ND
一溴联苯 (MonoBB)	-	mg/kg	5	ND
二溴联苯 (DiBB)	-	mg/kg	5	ND
三溴联苯 (TriBB)	-	mg/kg	5	ND
四溴联苯 (TetraBB)	-	mg/kg	5	ND
五溴联苯 (PentaBB)	-	mg/kg	5	ND
六溴联苯 (HexaBB)	-	mg/kg	5	ND
七溴联苯 (HeptaBB)	-	mg/kg	5	ND
八溴联苯 (OctaBB)	-	mg/kg	5	ND
九溴联苯 (NonaBB)	-	mg/kg	5	ND
十溴联苯 (DecaBB)	-	mg/kg	5	ND
多溴二苯醚之和 (PBDE)	1000	mg/kg	-	ND
一溴二苯醚 (MonoBDE)	-	mg/kg	5	ND
二溴二苯醚 (DiBDE)	-	mg/kg	5	ND
三溴二苯醚 (TriBDE)	-	mg/kg	5	ND
四溴二苯醚 (TetraBDE)	-	mg/kg	5	ND
五溴二苯醚 (PentaBDE)	-	mg/kg	5	ND



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第 3 页, 共 10 页

检测项目	限值	单位	MDL	A5
六溴二苯醚 (HexaBDE)	-	mg/kg	5	ND
七溴二苯醚 (HeptaBDE)	-	mg/kg	5	ND
八溴二苯醚 (OctaBDE)	-	mg/kg	5	ND
九溴二苯醚 (NonaBDE)	-	mg/kg	5	ND
十溴二苯醚 (DecaBDE)	-	mg/kg	5	ND
邻苯二甲酸二(2-乙基己基)酯 (DEHP)	1000	mg/kg	50	ND
邻苯二甲酸丁苄酯 (BBP)	1000	mg/kg	50	ND
邻苯二甲酸二丁酯 (DBP)	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。
(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。

欧盟 RoHS 指令 2011/65/EU 附录 II 的修正指令(EU) 2015/863-铅、汞、镉和六价铬

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/AAS 和 UV-Vis 进行分析。

检测项目	限值	单位	MDL	A6	A7
铅 (Pb)	1000	mg/kg	2	132	ND
汞 (Hg)	1000	mg/kg	2	ND	ND
镉 (Cd)	100	mg/kg	2	ND	ND
六价铬 (Cr(VI))▼	-	µg/cm²	0.10	ND	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。
(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, 样品的六价铬检测结果仅能代表检测时样品含六价铬的状态。

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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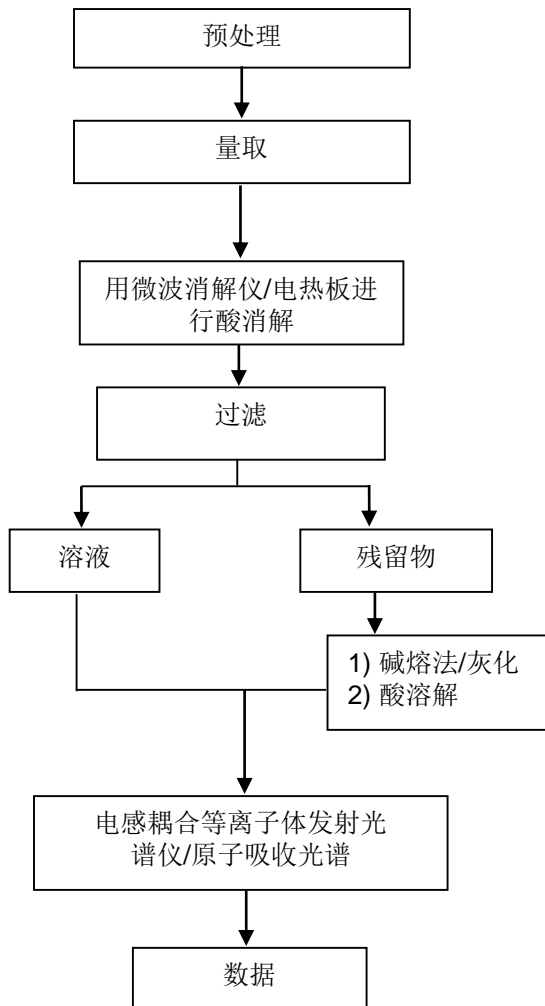
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第 4 页, 共 10 页

附件

元素检测流程图

样品按照下述流程被完全消解



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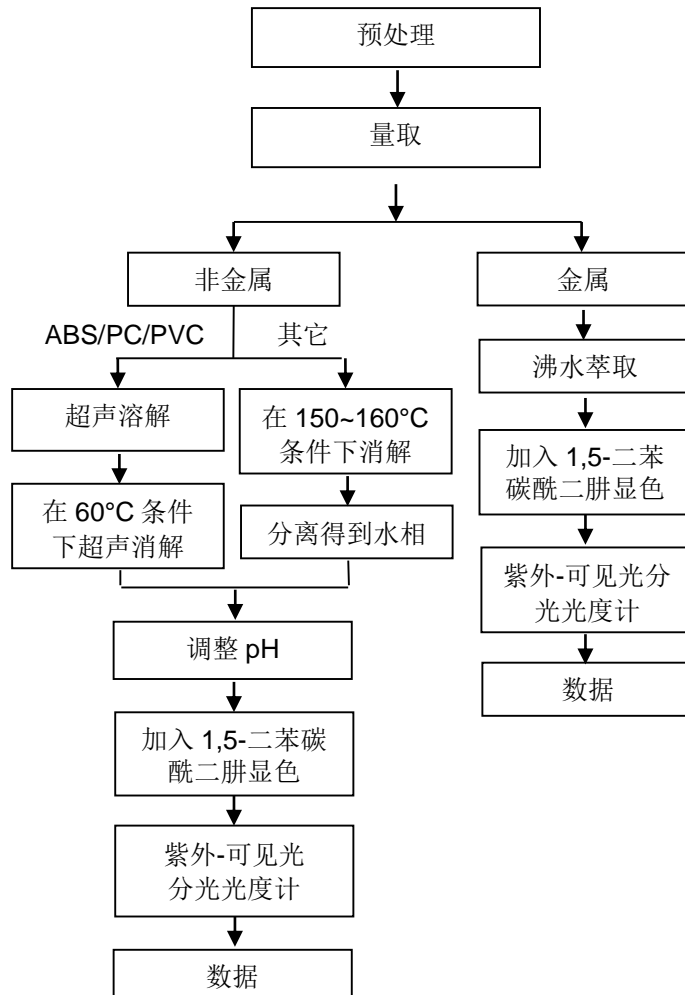
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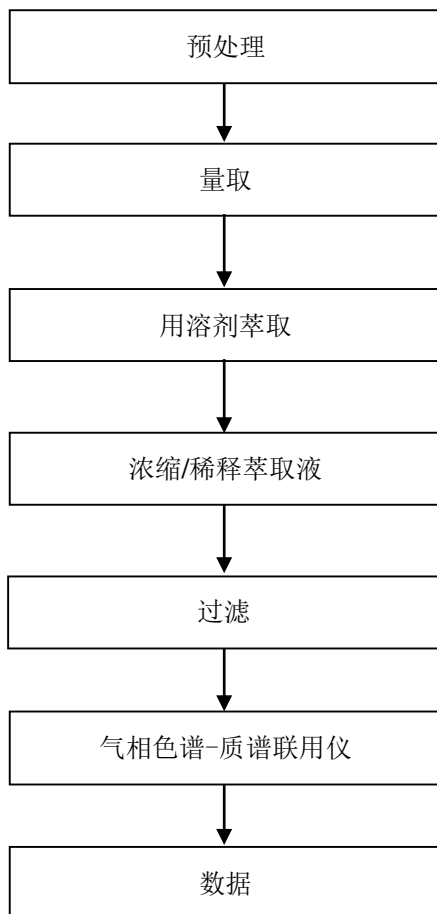
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六价铬检测流程图



PBB/PBDE 检测流程图



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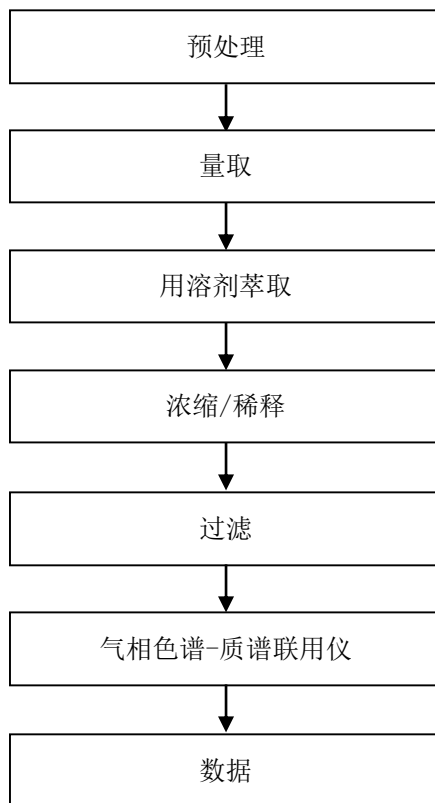
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Phthalates 检测流程图



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编号: SHAEC24004106004

日期: 2024 年 03 月 12 日

第 8 页, 共 10 页

附件:

UJ5-2.5WV/3-3、UJ5-2.5WV/2-2、UJ1-2.5/2L, UJ1-4/2L, UJ1-6/2L, UJ1-2.5/3L, UJ1-2.5/4, UJ1-2.5/2JD, UJ1-4/2JD, UJ1-6/2JD, UJ1-2.5/3JD, UJ1-2.5/3RD, UJ1-2.5/3K, UJ1-2.5/3S,
UJ2-1.5, UJ2-2.5, UJ2-4,UJ2-1.5/2×2, UJ2-2.5/2×2, UJ2-4/2×2, UJ2-2.5N,UJ2-2.5N/2×2
UJ3-2.5/2L, UJ3-4/2L, UJ3-6/2L, UJ4-2.5/3L, UJ4-2.5/3D, UJ4-2.5/3, UJ4-2.5/16, UJ5-2.5/3-3, UJ5-2.5/3×3JD,UJ5-1.5, UJ5-2.5, UJ5-4, UJ5-6, UJ5-10, UJ5-16, UJ5-35, UJ5-1.5JD, UJ5-2.5JD, UJ5-4JD, UJ5-6JD, UJ5-10JD, UJ5-16JD, UJ5-35JD, UJ5-6S, UJ5-2.5SK, UJ5-2.5/1×2SK, UJ5-2.5/2×2SK, UJ5-4SK,UJ5-4/2-2SK,UJ5-2.5FD, UJ5-2.5/1×2FD, UJ5-2.5/2×2FD, UJ5-4FD,UJ5-1.5/1×2, UJ5-2.5/1×2, UJ5-4/1×2, UJ5-6/1×2, UJ5-10/1×2, UJ5-16/1×2, UJ5-1.5/2×2, UJ5-2.5/2×2, UJ5-4/2×2, UJ5-6/2×2, UJ5-1.5 / 2×2-U, UJ5-2.5 / 2×2-U, UJ5-4 / 2×2-U, UJ5-6 / 2×2-U, UJ5-1.5/1×2JD, UJ5-2.5/1×2JD, UJ5-4/1×2JD, UJ5-6/1×2JD, UJ5-10/1×2JD, UJ5-16/1×2JD, UJ5-1.5/2×2JD, UJ5-2.5/2×2JD, UJ5-4/2×2JD, UJ5-6/2×2JD, UJ5-1.5/2-2, UJ5-2.5/2-2, UJ5-4/2-2, UJ5-1.5/2-2JD, UJ5-2.5/2-2JD, UJ5-4/2-2JD, UJ5-4RD, UJ5-2.5D, UJ5-2.5/1×2D, UJ5-2.5/2×2D, UJ5-2.5/2-2D, UJ5-2.5WM, UJ5-2.5W, UJ5-2.5W/2×2, UJ5-2.5MN,UJ5-1.5E,UJ5-2.5E,UJ5-4E,UJ5-6E,UJ5-10E,UJ5-16E,UJ5-35E,UJ5-1.5JDE, UJ5-2.5JDE, UJ5-4JDE, UJ5-6JDE, UJ5-10JDE, UJ5-16JDE, UJ5-35JDE, UJ5-2.5SKE, UJ5-2.5/1×2SKE, UJ5-1.5/1×2E, UJ5-2.5/1×2E, UJ5-4/1×2E, UJ5-6/1×2E, UJ5-10/1×2E, UJ5-16/1×2E, UJ5-1.5/2×2E, UJ5-2.5/2×2E, UJ5-4/2×2E, UJ5-6/2×2E, UJ5-1.5/1×2JDE, UJ5-2.5/1×2JDE, UJ5-4/1×2JDE, UJ5-6/1×2JDE, UJ5-10/1×2JDE, UJ5-16/1×2JDE, UJ5-1.5/2×2JDE, UJ5-2.5/2×2JDE, UJ5-4/2×2JDE, UJ5-6/2×2JDE, UJ5-1.5/2-2E, UJ5-2.5/2-2E, UJ5-4/2-2E, UJ5-1.5/2-2JDE, UJ5-2.5/2-2JDE, UJ5-4/2-2JDE, UJ5-4RDE, UJ5-6SE,UJ5-2.5DE, UJ5-1.5/2-2G,UJ5-2.5/2-2G,UJ5-1.5/2-2FG, UJ5-1.5FG,UJ5-2.5FG,UJ5-4FG, UJ5-6SG, UJ5-1.5/1×2G, UJ5-2.5/1×2G, UJ5-4/1×2G, UJ5-6/1×2G, UJ5-10/1×2G, UJ5-16/1×2G, UJ5-1.5/2×2G, UJ5-2.5/2×2G, UJ5-4/2×2G, UJ5-6/2×2G, UJ5-4SKG, UJ5-4/2-2SKG, UJ5-2.5/2×2SKG, UJ5-1.5G,UJ5-2.5G, UJ5-4G,UJ5-6G, UJ5-10G,UJ5-16G,UJ3-2.5/2G, UJ3-4/2G, UJ3-6/2G,UJ2-1.5G,UJ2-2.5G,UJ2-4G,UJ2-2.5NG,UJ1-2.5/2G, UJ1-24/2G, UJ1-6/2G, UJ1-2.5/3G, UJ1-2.5/3JG, UJ1-2.5/3SG、P-FD2.5、P-RD(5×20)、P-YJ、PS-5、PS-6、UWP-2.5W、UJ5-PS4、UJ5-PS5、UJ5-PS6、UJ5-PS8



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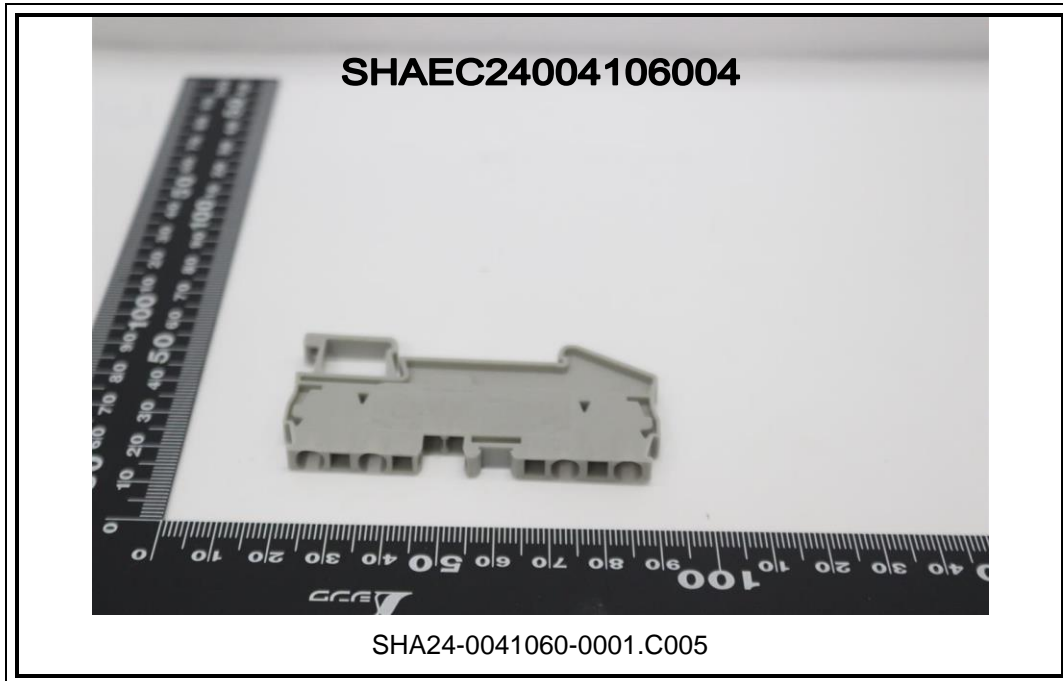
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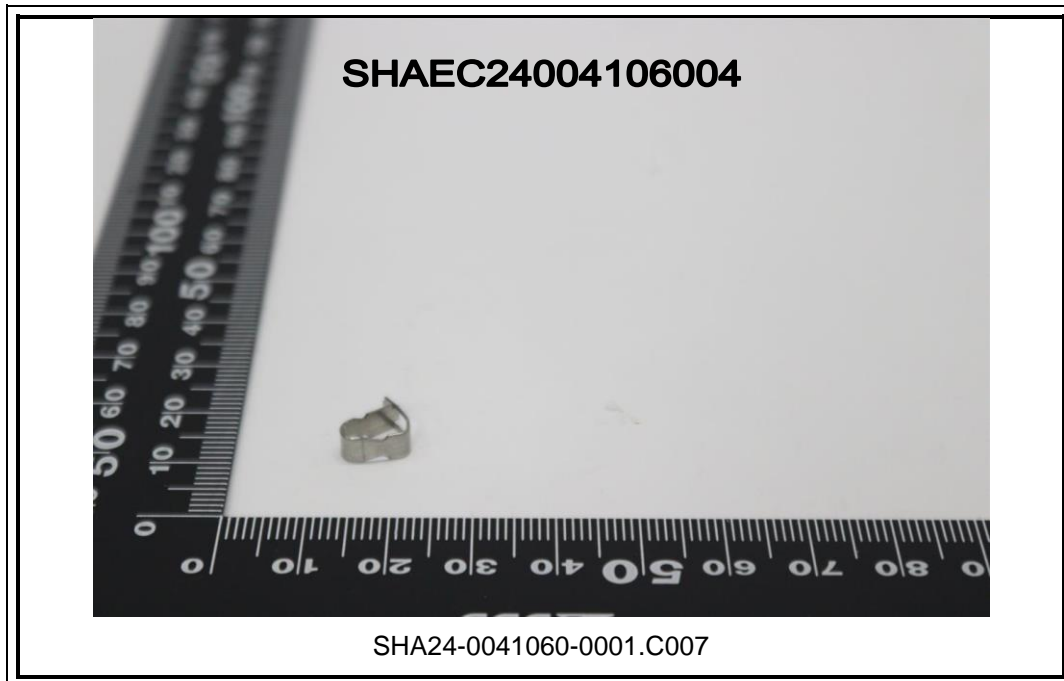


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