 <b>宁波梦婷户外用品有限公司</b>	编号.	MT/QJ04-33-2021
	页数	1 of 3
<b>防水测试 (IPX7)</b>	版本	A/0
	制定日期	30/6/2021
制定部门: 品质部		

- Test Name:** Water Proof Test (IPX7)  
**测试名称:** 防水测试 (IPX7)
- Former Standard Test Number:** ST-13  
**旧测试标准编号:** ST-13
- Test Category:** Claims Performance  
**测试种类:** 性能要求
- Feature Tested:** All lights with waterproof claims  
**测试特征:** 所有带防水要求的照明产品
- Test Intent:** Evaluate for waterproofness of products when it is subject to underwater conditions.  
**测试目的:** 当产品放置于水下条件时, 评估产品的防水性能。
- Regulatory Reference or Standard:** ANSI/IEC 60259 14.2.7 IPX7  
**参考标准:** ANSI/IEC 60259 14.2.7 IPX7
- Sample Plan:** 样品计划

Product Class	Prove In Sample Size	Surveillance	
		Sample Size	Frequency
OPP	5	N/A	N/A
Core	5	5	12-18 months
Performance	5	5	6-12 months

- Prove In testing:** Conducted on engineering samples, pilot production, or mass production. For lights that use multiple battery requirements, performance & drop testing must be conducted with all intended battery configurations.  
**证明测试:** 在工程样品, 试产样品或量产时执行测试。对于有多个电池的产品, 性能或者跌落测试必须执行所有的电池情况的测试。
- Surveillance testing:** Conducted on random samples from mass production.  
**监察测试:** 在量产时随机抽取样品测试。

8. **Quality Requirement:**

Product Class	Parameter	Acceptance Criteria
OPP	N/A	N/A
Core	1m depth for 30 minutes	<ul style="list-style-type: none"> <li>No evidence of water leakage inside the devices (For ANSI standard, if there is drop requirement, all test samples must pass the drop test before doing the water resistant test) 产品内部不能有水 (对于ANSI 标准, 如果产品有跌落测试要求, 则所有测试</li> </ul>
Performance		

		<p>样板在做防水试验前必须先通过跌落试验.)</p> <ul style="list-style-type: none"> <li>All test samples shall function normally after the test.</li> </ul> <p>所有测试样板测试后必须功能正常。</p>
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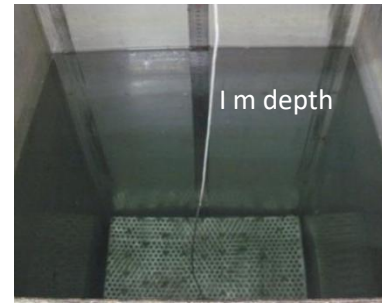
**9. Quality Standard Test Procedure: (Prove in and surveillance)**

品质标准和测试程序

**Option 1: Immersion Water Tank (1 m depth) :**

状态 1: 浸入水箱中 (1M 深度)

1. Make sure that the water level is up to the testing requirement and the equipment is in normal condition and ready for use. 确保水深是在测试要求之上，设备是在正常条件下准备好。
2. Ensure that those samples are assembled as per specification 确保所有的样品是按照规格组装好的。
3. Put the samples and fix them in the built in stainless steel tray of equipment . (Note: For ANSI claimed products, drop test should be done first) 将样品放入制作好的不锈钢盘中。(ANSI 要求，跌落测试应当在测试前完成)
4. Put the samples down to 1m depth under water by using the provided electrical lifting device. 将样品使用电动装置放入 1M 深的水中。
5. Wait for 0.5 hour. (30MIN) 等待 0.5 小时。(30 分钟)
6. Get the samples for examination .拿出样品并检查。



**10. Ultimate Point Test Procedure: (Prove in only) 极限点测试**

- Ultimate Point Testing does not apply to this test 此测试不适用极限点测试

**11. Tested With Batteries Installed: Yes 是否带电池测试: 是**

OPP: Czn battery or Lead Acid Rechargeable unless with a different type of battery

低价值: 碱性电池或者铅酸蓄电池; 除非包装指定使用某种电池.

Core/Performance: Alkaline or NiMH Rechargeable is default battery unless packed with a different type of battery

核心/专业: 碱性或镍金属氢化物充电电池, 除非包装指定使用某种电池.

12. **Calculation: N/A 计算: N/A**

13. **Equipment required:**

- Immersion water tank ( 1m ), with electrical lifting device. 水箱 (1M)

14. **Reference: N/A**

编制	刘明	审核	王锦华	批准	俞学炯
日期	2021/4/05	日期	2021/4/05	日期	2021/4/05