**SCREENING REPORT** Page: 1

**Test Number:** 14373A00  **Report Date:** 2020-08-21

**Battery Name:** Ultralife U9VL

**Chemistry:** Li/MnO2

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**Request Number:**

**Task Number:** 10106

**Lot Number:** 8974

**Form Factor:** Prismatic None

**Purpose:** Test BTC Screen System

**Project Engineer:** RDW

Criteria:Screening Min.

**OCV (Volt):** 9.5

**CCV (Volt):** 8.5

**Drain Time (Sec):** 5

**Resistor (Ω): :** 120

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**Battery Size (mm):** 48.4(H) X25.8(W) X16.8(D)

**Discharge Temperature (°C):** 24

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**Number of Batteries Tested :** 50

**Number of Batteries Failed(\*):** 2

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**Date of Manufacture:** 2015-07-09

**Date of Receipt:** 2015-08-26

**Date Started:** 2020-01-14

**Date Completed:** 2020-01-14

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Prepared By: \_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_ Reviewed By: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_

Reviewed By: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_

**Test Number:** 14373A00

Note(s):  
  
1. Report Date:  
  
2. Test Responsibility:  
   
 a. Data file preparation:  
 b. Technical review:  
 c. Final review:

**SCREENING REPORT**

**Test Number:** 14373A00  **Date:**2020-08-21

**Sample Name:** Ultralife U9VL

**Chemistry:** Li/MnO₂

**Voltage Statistic Table**

All samples OCV CCV

**Maximum:** **9.591** **9.197**

**Minimum:** **9.381** **9.072**

**Median:** **9.556** **9.165**

**Mean (M):** **9.550** **9.158**

**Stander Deviation (SD):** **0.03169** **0.02464**

**Total Samples:** **50** **50**

**Total Passing Criterion:** **48** **50**

**Total Failing Criterion:** **2** **0**

**95%** **confidence Interval (Min/Max)** **9.541/9.559** **9.151/9.165**

**Total Samples Outside Range:** **6** **1**

**OCV >or= 9.500**

**CCV >or= 8.500 @ 120 Ohms for 5 Seconds.**

**CUMULATIVE TABLE**

|  |  |  |  |
| --- | --- | --- | --- |
| **All Sample OCV** | | **All Sample CCV** | |
| Voltage Range | Samples | Voltage Range | Samples |
| 9.591-9.567 | 4 | 9.197-9.182 | 10 |
| 9.567-9.543 | 41 | 9.182-9.167 | 9 |
| 9.543-9.519 | 1 | 9.167-9.152 | 12 |
| 9.519-9.495 | 2 | 9.152-9.137 | 8 |
| 9.495-9.471 | 0 | 9.137-9.122 | 8 |
| 9.471-9.447 | 0 | 9.122-9.107 | 1 |
| 9.447-9.423 | 1 | 9.107-9.092 | 1 |
| 9.423-9.399 | 0 | 9.092-9.077 | 0 |
| 9.399-9.375 | 1 | 9.077-9.062 | 1 |

**SCREENING REPORT**

**Test Number:** 14373A00 **Raw Data** **Chemistry:** Li/MnO2

**Sample Name:** Ultralife U9VL **Load:** 120Ω

**Sort Order:** Bar Code Number **Load Time:** 5Sec(S)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Bar Code Number | Manufacturer  Number | Manufacture Date | Screening  OCV | Screening  CCV |  |  | Inspection |
| 460660 |  | 2015-07-09 | 9.567 | 9.184 |  |  | Pass |
| 460661 |  | 2015-07-09 | 9.553 | 9.134 |  |  | Pass |
| 460662 |  | 2015-07-09 | 9.544 | 9.144 |  |  | Pass |
| 460663 |  | 2015-07-09 | 9.551 | 9.136 |  |  | Pass |
| 460664 |  | 2015-07-09 | 9.55 | 9.167 |  |  | Pass |
| 460665 |  | 2015-07-09 | 9.553 | 9.189 |  |  | Pass |
| 460666 |  | 2015-07-09 | 9.564 | 9.153 |  |  | Pass |
| 460667 |  | 2015-07-09 | 9.561 | 9.184 |  |  | Pass |
| 460668 |  | 2015-07-09 | 9.558 | 9.159 |  |  | Pass |
| 460669 |  | 2015-07-09 | 9.55 | 9.186 |  |  | Pass |
| 460670 |  | 2015-07-09 | 9.559 | 9.148 |  |  | Pass |
| 460671 |  | 2015-07-09 | 9.548 | 9.188 |  |  | Pass |
| 460672 |  | 2015-07-09 | 9.518 | 9.177 |  |  | Outlier |
| 460673 |  | 2015-07-09 | 9.549 | 9.188 |  |  | Pass |
| 460674 |  | 2015-07-09 | 9.556 | 9.14 |  |  | Pass |
| 460675 |  | 2015-07-09 | 9.381 | 9.072 |  |  | Fail |
| 460676 |  | 2015-07-09 | 9.562 | 9.178 |  |  | Pass |
| 460677 |  | 2015-07-09 | 9.558 | 9.165 |  |  | Pass |
| 460678 |  | 2015-07-09 | 9.555 | 9.142 |  |  | Pass |
| 460679 |  | 2015-07-09 | 9.553 | 9.147 |  |  | Pass |
| 460680 |  | 2015-07-09 | 9.555 | 9.174 |  |  | Pass |
| 460681 |  | 2015-07-09 | 9.561 | 9.174 |  |  | Pass |
| 460682 |  | 2015-07-09 | 9.554 | 9.137 |  |  | Pass |
| 460683 |  | 2015-07-09 | 9.569 | 9.191 |  |  | Pass |
| 460684 |  | 2015-07-09 | 9.572 | 9.169 |  |  | Pass |
| 460687 |  | 2015-07-09 | 9.557 | 9.17 |  |  | Pass |
| 460685 |  | 2015-07-09 | 9.514 | 9.136 |  |  | Outlier |
| 460686 |  | 2015-07-09 | 9.441 | 9.103 |  |  | Fail |
| 460688 |  | 2015-07-09 | 9.551 | 9.13 |  |  | Pass |
| 460689 |  | 2015-07-09 | 9.551 | 9.165 |  |  | Pass |
| 460690 |  | 2015-07-09 | 9.56 | 9.135 |  |  | Pass |
| 460691 |  | 2015-07-09 | 9.523 | 9.119 |  |  | Outlier |
| 460692 |  | 2015-07-09 | 9.571 | 9.168 |  |  | Pass |
| 460693 |  | 2015-07-09 | 9.563 | 9.167 |  |  | Pass |
| 460694 |  | 2015-07-09 | 9.561 | 9.165 |  |  | Pass |
| 460695 |  | 2015-07-09 | 9.553 | 9.154 |  |  | Pass |
| 460696 |  | 2015-07-09 | 9.547 | 9.189 |  |  | Pass |
| 460697 |  | 2015-07-09 | 9.559 | 9.165 |  |  | Pass |
| 460698 |  | 2015-07-09 | 9.56 | 9.159 |  |  | Pass |
| 460699 |  | 2015-07-09 | 9.56 | 9.169 |  |  | Pass |
| 460700 |  | 2015-07-09 | 9.565 | 9.162 |  |  | Pass |
| 460701 |  | 2015-07-09 | 9.591 | 9.197 |  |  | Outlier |
| 460702 |  | 2015-07-09 | 9.561 | 9.134 |  |  | Pass |
| 460703 |  | 2015-07-09 | 9.562 | 9.175 |  |  | Pass |
| 460704 |  | 2015-07-09 | 9.559 | 9.14 |  |  | Pass |
| 460705 |  | 2015-07-09 | 9.56 | 9.166 |  |  | Pass |
| 460706 |  | 2015-07-09 | 9.551 | 9.14 |  |  | Pass |
| 460707 |  | 2015-07-09 | 9.555 | 9.135 |  |  | Pass |
| 460708 |  | 2015-07-09 | 9.551 | 9.184 |  |  | Pass |
| 460709 |  | 2015-07-09 | 9.558 | 9.149 |  |  | Pass |