**SCREEING REPORT** Page: 1

**Test Number:** 14665B01  **Report Date:** 2019-12-09

**Battery Name:** Sony/Murata VTC6-18650

**Chemistry:** Li-Ion

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**Request Number:** Request02

**Task Number:** Task02

**Lot Number:** 10588

**Form Factor:** Cylindrical 18650

**Purpose:** SiteRestockb

**Project Engineer:** PeterWang

Criteria:Profile One Min.Profile TwoMin.

**OCV (Volt):** 1.71.6

**CCV (Volt):** 1.61.5

**Drain Time (Sec):** 54

**Resistor (Ω): :** 200250

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**Battery Size (cm):** 65.15(H) X 18.35(D)

**Discharge Temperature (°C):** 24

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**Number of Batteries Tested :** 9

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

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**Date of Manufacture:** 2016-09-25

**Date of Receipt:** 2017-12-26

**Date Started:** 2019-12-09

**Date Completed:** 2019-12-09

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

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

**Test Number:** 14665B01

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

**SCREEING REPORT**

**Test Number:** 14665B01  **Date:**2019-12-09

**Sample Name:** Sony/Murata VTC6-18650

**Chemistry:** Li-Ion

**Profile Two** **Voltage Statistic Table**

All samples OCV CCV

**Maximum:** **1.816** **1.811**

**Minimum:** **1.527** **1.494**

**Median:** **1.793** **1.789**

**Mean (M):** **1.732** **1.722**

**Stander Deviation (SD):** **0.12475** **0.13455**

**Total Samples:** **7** **7**

**Total Passing Criterion:** **5** **5**

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

**95%** **confidence Interval (Min/Max)** **1.616/1.847** **1.598/1.846**

**Total Samples Outside Range:** **0** **0**

**OCV >or= 1.700**

**CCV >or= 1.600 @ 200 Ohms for 5 Seconds.**

**CUMULATIVE TABLE**

|  |  |  |  |
| --- | --- | --- | --- |
| **All Sample OCV** | | **All Sample CCV** | |
| Voltage Range | Samples | Voltage Range | Samples |
| 1.816-1.720 | 5 | 1.811-1.705 | 5 |
| 1.720-1.624 | 0 | 1.705-1.599 | 0 |
| 1.624-1.528 | 1 | 1.599-1.493 | 2 |

**SCREEING REPORT**

**Test Number:** 14665B01  **Date:**2019-12-09

**Sample Name:** Sony/Murata VTC6-18650

**Chemistry:** Li-Ion

**Profile Two** **Voltage Statistic Table**

All samples OCV CCV

**Maximum:** **1.816** **1.813**

**Minimum:** **1.527** **1.503**

**Median:** **1.794** **1.791**

**Mean (M):** **1.732** **1.725**

**Stander Deviation (SD):** **0.12482** **0.13217**

**Total Samples:** **7** **7**

**Total Passing Criterion:** **5** **7**

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

**95%** **confidence Interval (Min/Max)** **1.616/1.847** **1.603/1.847**

**Total Samples Outside Range:** **0** **0**

**OCV >or= 1.600**

**CCV >or= 1.500 @ 250 Ohms for 4 Seconds.**

**CUMULATIVE TABLE**

|  |  |  |  |
| --- | --- | --- | --- |
| **All Sample OCV** | | **All Sample CCV** | |
| Voltage Range | Samples | Voltage Range | Samples |
| 1.816-1.720 | 5 | 1.813-1.710 | 5 |
| 1.720-1.624 | 0 | 1.710-1.607 | 0 |
| 1.624-1.528 | 1 | 1.607-1.504 | 1 |

**SCREEING REPORT**

**Test Number:** 14665B01 **Raw Data** **Chemistry:** Li-Ion

**Sample Name:** Sony/Murata VTC6-18650 **200/250**~p2Ω

**Sort Order:** Bar Code Number **Load Time:** 5/4Sec(S)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Bar Code Number | Manufacturer  Number | Manufacture Date | Profile 1 OCV | Profile 1 CCV | Profile 2 OCV | Profile 2 CCV | Inspection |
| 455150 |  | 2016-09-25 | 1.793 | 1.789 | 1.816 | 1.813 | Pass |
| 455151 |  | 2016-09-25 | 1.792 | 1.788 | 1.811 | 1.808 | Pass |
| 455152 |  | 2016-09-25 | 1.811 | 1.807 | 1.793 | 1.79 | Pass |
| 455153 |  | 2016-09-25 | 1.816 | 1.811 | 1.794 | 1.791 | Pass |
| 455154 |  | 2016-09-25 | 1.808 | 1.804 | 1.807 | 1.805 | Pass |
| 449449 |  | 2016-09-25 | 1.527 | 1.494 | 1.527 | 1.503 | Fail |
| 449450 |  | 2016-09-25 | 1.574 | 1.561 | 1.574 | 1.564 | Fail |