

# OHD, LLLP

# UN38.3

# TRANSPORTATION

# TESTING

**SCOPE OF WORK**

Model Number: FTK 3010-4023 Lithium-ion Battery Packs

**REPORT NUMBER**

104544568DET-001

**ISSUE DATE**

30-April-2021

**PAGES**

34

**DOCUMENT CONTROL NUMBER**

RT-L-AMER-DET-003



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**DATE RECEIVED:** 03/09/2021  
**DATE TESTED:** 03/19/2021 through 04/30/2021

**WORK REQUESTED / APPLICABLE DOCUMENTS:**

Per the client's request and in accordance with UN Manual of Test and Criteria, Sixth revised edition, Amendment 1; "Recommendations on the Transport of Dangerous Goods," Section 38.3 "Lithium metal and lithium ion batteries" and our quotation number 01133942, dated 12/15/2020; perform Battery Testing as described below:

- T1 – Altitude Simulation
- T2 – Thermal Test
- T3 – Vibration
- T4 – Shock
- T5 – External Short Circuit
- T7 – Overcharge

**DESCRIPTION OF TEST SAMPLES:**

**SAMPLE DESCRIPTION:** Sixteen (16) FTK 3010-4023 Lithium-ion Battery Packs

**MANUFACTURER:** OHD, LLLP

**MODEL NUMBER:** FTK 3010-4023

**RATINGS:** 16.0V, 3350mAh, 53.6 Wh

**SPECIFICATION SECTIONS T1 through T5:**

Eight (8) FTK 3010-4023 Lithium-ion Battery Packs, sample numbers:

- |           |         |
|-----------|---------|
| 25 Cycles | 1 Cycle |
| ▪ SN 1    | ▪ SN 5  |
| ▪ SN 2    | ▪ SN 6  |
| ▪ SN 3    | ▪ SN 7  |
| ▪ SN 4    | ▪ SN 8  |

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**SPECIFICATION SECTION T7:**

Eight (8) FTK 3010-4023 Lithium-ion Battery Packs, sample numbers:

25 Cycles

- SN 1
- SN 2
- SN 3
- SN 4

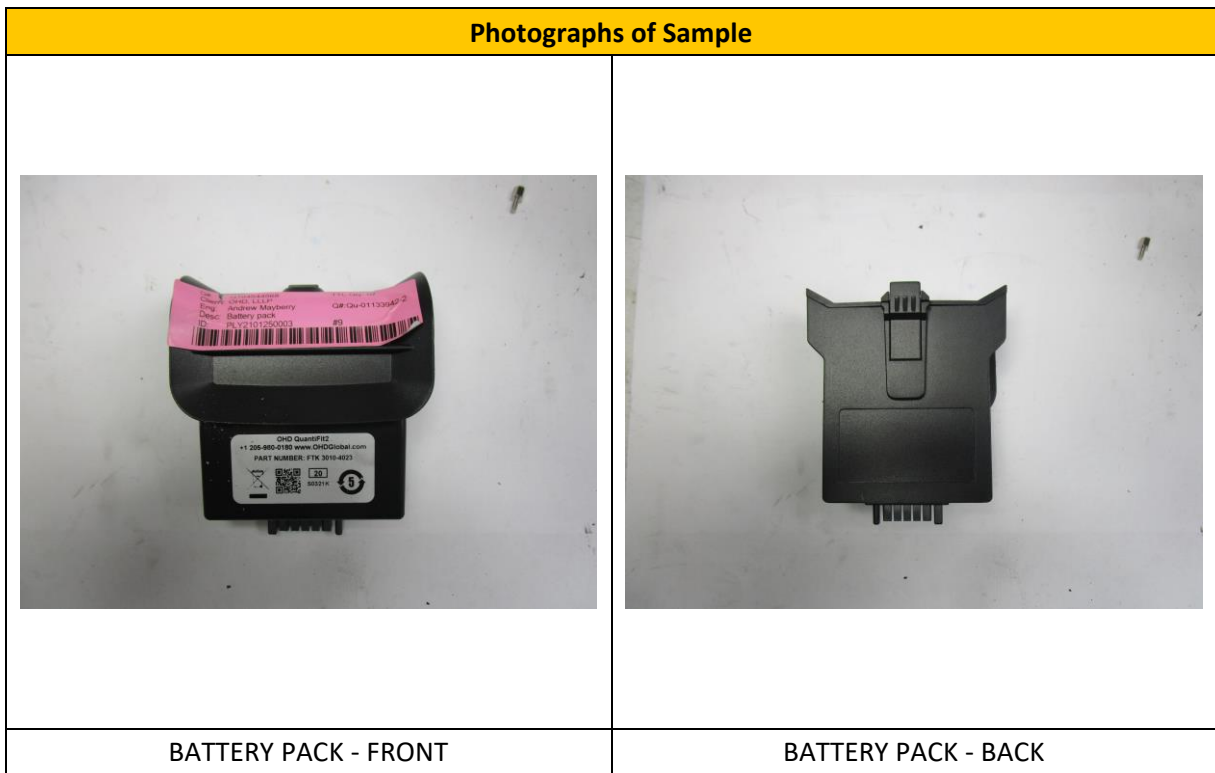
1 Cycle

- SN 5
- SN 6
- SN 7
- SN 8

Condition of Test Sample: Production

**Testing Performed at:**

Intertek  
45000 Helm Street, Suite 150  
Plymouth Twp., MI 48170



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**RESULT SUMMARY:** The tested samples met the test requirements. See below breakout for tests performed.

Specification Section	Test Description	Results
T1	Altitude Simulation	Pass
T2	Thermal Test	Pass
T3	Vibration	Pass
T4	Shock	Pass
T5	External Short Circuit	Pass
T7	Overcharge	Pass

*Andrew Mayberry*

*Kirk Palmer*

Andrew Mayberry	Kirk Palmer
Associate Engineer	Department Manager
April, 29 2021	
Report No.: 104544568DET-001	

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