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|---|---|-----------|--------------|
|  | Lithium Cell/Battery Test Summary | Revision: | 01 |
| | In accordance with sub-section 38.3 of manual of tests and criteria | Issue: | October 2024 |
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GENERAL INFORMATION

| 1. Product identification | |
|---------------------------|----------------------------------|
| Hama item number | 00221756 |
| Product description | TWS BT HP Freedom Light II green |

| 2. Manufacturer of cell/battery/product | |
|---|--|
| Name | Hama GmbH & Co KG |
| Address | Adolf-Thomas-Str. 10, 86653 Monheim/Bayern |
| Phone | +49 (0) 9091 502-0 |
| E-Mail | qs_power.batt@hama.de |
| Website | www.hama.com |

| 3. Test laboratory of cell/battery/product | |
|--|---|
| Name | Shenzhen Lionaces Technology Co., Ltd. |
| Address | 307-310, Building 1A, Zhida Industrial Park, No.4 Longping West Road, Longgang, |
| Phone | +(86)-755-28280690 |
| E-Mail | service@lionaces.com |
| Website | www.lionaces.com |

| 4. Test report ID-number and date | | | |
|--|-----------------|---------------------|------------|
| Unique test report identification number | LA2024B0425001U | Date of test report | 2024-04-03 |


DESCRIPTION OF CELL/BATTERY

| 5. Type of cell/battery | | | |
|-------------------------------------|---------------------|-----------------------|--------------------------|
| <input checked="" type="checkbox"/> | Lithium ion cell | Lithium metal cell | <input type="checkbox"/> |
| <input type="checkbox"/> | Lithium ion battery | Lithium metal battery | <input type="checkbox"/> |

| 6. Parameters | | |
|---|--------|---------|
| | Cell | Battery |
| Mass in gram [g] | 0.74 | - |
| Lithium ion: Indicate watt-hour rating [Wh] | 0.1295 | - |
| Lithium metal: Indicate lithium metal content in gram [g] | - | - |

| 7. Physical description of cell/battery | |
|--|------------|
| Physical identification (size, shape or color) | pouch cell |

| 8. Model numbers |
|------------------|
| 450912 |

| | | | |
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TESTS AND RESULTS

| 9. List of tests conducted and results | | | |
|--|-------------------------------------|-------------------------------------|--------------------------|
| Testing requirements acc. UN 38.3 | N/A | Pass | Fail |
| T1 – Altitude simulation | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| T2 – Thermal test | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| T3 – Vibration | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| T4 – Shock | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| T5 – External short circuit | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| T6 – Impact/crush | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| T7 – Overcharge | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| T8 – Forced discharge | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

| 10. Reference to assembled battery testing requirements |
|---|
| N/A |

| 11. Reference to the revised edition of the Manual of Tests and Criteria used and to amendments thereto |
|---|
| Revision 7.1 |

| 12. Quality management system for manufacturing of batteries |
|--|
| The manufacture of the cell/battery is in accordance with the documented quality management system as required by the regulations. |

| 13. Place, Date | 14. Title, Surname, First name | 15. Company stamp and signature |
|------------------------|---|--|
| Monheim, Juni 10, 2025 | Head of QC Department Berghammer Stephan |  Hama GmbH & Co KG Adolf-Thomas-Straße 10 88653 Monheim / Germany |