

LITHIUM CELL/BATTERY TEST SUMMARY AND SUPPLIER INQUIRY

IN ACCORDANCE WITH SUB-SECTION 38.3
OF MANUAL OF TESTS AND CRITERIA

N/A = Not Applicable

| | |
|--|--|
| 1. Name of cell / battery | |
| Li-ion Battery 402030 3.7V, 160 mAh, 0.59 Wh | |

| | |
|--|---|
| 2. Manufacturer of cell / battery | |
| Name | Dongguan xintonga Electronic Technology CO., Ltd. |
| Address | Room 401, 31 Renmin Road, Qinghutou, Tangxia Town, Dongguan City, Guangdong Province, China |
| Phone | +86-13510673885 |
| Email | 13510673885@139.com |
| Website | n/a |

| | |
|---|---|
| 3. Test laboratory of cell / battery | |
| Name | Shenzhen LCS Compliance Testing Laboratory Ltd. |
| Address | Room 101, 201, Building A and Room 301, Building C, Juji Industrial Park, Yabianxueziwei, Shajing Street, Bao'an District, Shenzhen, Guangdong, China |
| Phone | +86 0755-82591330 |
| Email | webmaster@lcs-cert.com |
| Website | www.lcs-cert.com |

| | | | |
|--|-----------------|---------------------|------------|
| 4. ID-number and date | | | |
| Unique test report identification number | LCSA021723093SA | Date of test report | 2023-03-02 |

DESCRIPTION OF CELL / BATTERY

| | | | |
|---|------------------------|-----------------------|-----------------------|
| 5. Mark the type of cell/battery with an "x" | | | |
| <input type="radio"/> | Lithium ion cell | Lithium metal cell | <input type="radio"/> |
| <input checked="" type="radio"/> | Lithium ion battery | Lithium metal battery | <input type="radio"/> |
| <input type="radio"/> | Lithium hybrid battery | | |

| | | |
|---|-------------|----------------|
| 6. Parameters | Cell | Battery |
| Mass in gram (g): | | 4,45 |
| Lithium ion: Indicate watt-hour rating (Wh): | | 0,59 |
| Lithium metal: Indicate lithium metal content in gram (g): | | |
| Lithium hybrid: Indicate lithium metal content in gram (g) and watt-hour rating (Wh): | | g |
| | | Wh |

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Name of cell/battery (taken from field 1)

Li-ion Battery 402030 3.7V, 160 mAh, 0.59 Wh

7. Physical description of cell / battery

Prismatic

8. Model numbers

23566 Mini RC Car with Camper, 23567 Mini RC Car with Horse Trailer

TESTS AND RESULTS

| 9. List of tests conducted and results - Mark N/A, pass or fail with an "●" | N/A | pass | fail |
|---|-----------------------|----------------------------------|-----------------------|
| T1 - Altitude simulation | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| T2 - Thermal Test | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| T3 - Vibration | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| T4 - Shock | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| T5 - External Short Circuit | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| T6 - Impact / Crush | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| T7 - Overcharge | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| T8 - Forced Discharge | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| for all above | <input type="radio"/> | <input checked="" type="radio"/> | <input type="radio"/> |
| | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

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

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ADDITIONAL SUPPLIER INQUIRY

| | | | | |
|--|----------------------------------|-----|----|-----------------------|
| 12. Quality management system for manufacturing cells / batteries Does the manufacturer of the cell/battery manufacture the products based on a documented quality management system according to transport regulations? | <input checked="" type="radio"/> | YES | NO | <input type="radio"/> |
|--|----------------------------------|-----|----|-----------------------|

| | | | | |
|--|-----------------------|-----|----|----------------------------------|
| 13. Are the following parameters exceeded? Lithium ion cell: more than 20 Wh Lithium ion battery: more than 100 Wh Lithium metal cell: more than 1 g Lithium Lithium metal battery: more than 2 g Lithium Lithium hybrid Battery: more than 1,5 g Lithium and/or more than 10 Wh | <input type="radio"/> | YES | NO | <input checked="" type="radio"/> |
|--|-----------------------|-----|----|----------------------------------|

Check point 14 – 16 need to be answered when 13 has been ticked "YES":

| | | | | |
|--|-----------------------|-----|----|-----------------------|
| 14. Does each cell / battery incorporates a safety venting device or is designed to preclude a violent rupture under normal conditions of carriage? | <input type="radio"/> | YES | NO | <input type="radio"/> |
|--|-----------------------|-----|----|-----------------------|

| | | | | |
|---|-----------------------|-----|----|-----------------------|
| 15. Is each cell / battery equipped with an effective means of preventing external short circuits? | <input type="radio"/> | YES | NO | <input type="radio"/> |
|---|-----------------------|-----|----|-----------------------|

| | | | | | | |
|---|-----------------------|-----|-----------------------|-----|----|-----------------------|
| 16. Is each battery containing cells or series of cells connected in parallel equipped with effective means as necessary to prevent dangerous reverse current flow (e.g. diodes, fuses, etc.)? | <input type="radio"/> | N/A | <input type="radio"/> | YES | NO | <input type="radio"/> |
|---|-----------------------|-----|-----------------------|-----|----|-----------------------|

17. Only in air transport: State of Charge (SoC) for UN 3480 Lithium ion cells/batteries and lithium polymer cells/batteries

| | | | | |
|---------------------------------|-----------------------|-----|----|-----------------------|
| State of Charge (SoC) max. 30 % | <input type="radio"/> | YES | NO | <input type="radio"/> |
|---------------------------------|-----------------------|-----|----|-----------------------|

CELLS/BATTERIES INSTALLED IN EQUIPMENT

18. Check point 18 needs to be answered when the cells / batteries are installed in articles:

| | | | | |
|--|-----------------------|-----|----|----------------------------------|
| 18.a) Only button cells enclosed? | <input type="radio"/> | YES | NO | <input checked="" type="radio"/> |
|--|-----------------------|-----|----|----------------------------------|


18.b) Number of enclosed cells (other than button cells)/batteries per equipment

| | | |
|------------------------------|----------------------------------|---|
| Enclosed cells per equipment | Enclosed batteries per equipment | 1 |
|------------------------------|----------------------------------|---|

When the equipment is intentionally active/switched on during transport e.g. data loggers:

| | | | | | | |
|--|----------------------------------|-----|-----------------------|-----|----|-----------------------|
| 18.c) Confirmation that no dangerous amount of heat is emitted from the equipment | <input checked="" type="radio"/> | N/A | <input type="radio"/> | YES | NO | <input type="radio"/> |
|--|----------------------------------|-----|-----------------------|-----|----|-----------------------|

| | | | | | | |
|---|----------------------------------|-----|-----------------------|-----|----|-----------------------|
| 18.d) Confirmation that the equipment when transported by air fulfills the defined air transport standards for electromagnetic radiation according to DO-160 | <input checked="" type="radio"/> | N/A | <input type="radio"/> | YES | NO | <input type="radio"/> |
|---|----------------------------------|-----|-----------------------|-----|----|-----------------------|

| | | |
|---|---|--|
| 19. Place, Date Bünde, 2024-04-09 | 20. Title, Surname, First name Schreiber, Christian Manager Product Safety & Quality Assurance | 21. Company stamp and signature  Carrera Revell Europe GmbH Hepschelstraße 20-30 32257 Bünde Tel.: (+49/0) 5223 965-0 |
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