

Lithium-Ion-Battery Certification for UN 38.3

March 1, 2017

Product: Lithium-Ion-Battery for Electric Bicycles

Models : BIB-XXXYYYYZZ and BIS-XXXYYYYZZ

We hereby certify that above products meet all United Nations dangerous material transport test and standard handbook 3rd part of UN38.3.

TEST RESULT

| Item No. | Test Item | Requirements | Result |
|----------|------------------------|-----------------------------------------------------------------------------|--------|
| T1 | Altitude Simulation | No Mass Loss, No Leakage, No Venting No disassembly, No Rupture, No Fire | Pass |
| T2 | Thermal test | No Mass Loss, No Leakage, No Venting No disassembly, No Rupture, No Fire | Pass |
| T3 | Vibration | No Mass Loss, No Leakage, No Venting No disassembly, No Rupture, No Fire | Pass |
| T4 | Shock | No Mass Loss, No Leakage, No Venting No disassembly, No Rupture, No Fire | Pass |
| T5 | External Short Circuit | No disassembly, No Rupture, No Fire | Pass |
| T6 | Impact(Cell test) | No disassembly, No Fire | Pass |
| T7 | Overcharge | No disassembly | Pass |
| T8 | Forced Discharge | No disassembly, No Fire | Pass |

All detail test procedure on UN manual have been applied for this test.

Signature:



Dieter Adolf Kölbel