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March 13, 2013

## **CERTIFICATE OF COMPLIANCE**

The following product has been evaluated according to the 5<sup>th</sup> revised edition of the UN Manual of Tests and Criteria.

We, LG Chem. Ltd hereby certify that this cell meets the requirements of the regulation for transportation of lithium-ion cells and batteries.

Customer Model Name	:	<b>AP13B8K</b>
Cell Model Name	:	<b>ICP546080L1 (1P*4S)</b>
Type of Cell	:	<b>Prismatic</b>
Electric power capacity	:	<b>53 Wh</b>
Document No.	:	<b>QAE-EF02-130313-PKAP13B8K</b>

Conducted By: Dae Ho Nam

Manager

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# Test Result

For more information, please refer to Document : QAE-EF02-130313-PKAP13B8K

<input type="checkbox"/> Lithium-ion cell	<input checked="" type="checkbox"/> Lithium-ion battery
Pack Model name	AP13B8K
Cell Model name	ICP546080L1
Nominal voltage	15.2 V
Electric power capacity	53 Wh

No.	Test Item	Criteria	Result	Remark
Test 1	Altitude simulation	-No leakage, venting, disassembly, rupture and no fire. -Measuring mass before/after each test. (If M>5g, less than 0.1%) -Measuring voltage before/after each test. (more than 90%)	Pass	
Test 2	Thermal test		Pass	
Test 3	Vibration		Pass	
Test 4	Shock		Pass	
Test 5	External short circuit	-No disassembly, rupture and fire within six hours of this test. -Max. temperature should not exceed 170℃.	Pass	
Test 6	Impact		Pass	
Test 7	Overcharge	-No disassembly and fire within seven days of the test.	Pass	Battery only
Test 8	Forced discharge	Only for Cell, not battery.		

Tests through T1-T5 shall be conducted in sequence with the same battery.

We declare that the above-mentioned test is the result of being checked according to UN Test (Manual of Test and Criteria ST/SG/AC.10/11/Rev.5)

We certify that this cell is proved to meet the requirements of each applicable test in the UN Manual of Test and Criteria, Part III, sub-section 38.3

Conducted By: Dae Ho Nam



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