报告编号/Report Reference No.:
NTEK-2017DC0119005S-R1

UN38.3 检 测 报 告
UN38.3 Test Report

产品名称：	锂离子电芯 INR18650-2600A
Name of Samples:	Lithium Ion Cell INR18650-2600A
委托单位：	路华能源科技（保山）有限公司
Client:	Roofer Energy Technology (Baoshan) Co., Ltd.
生产单位：	路华能源科技（保山）有限公司
Manufacturer:	Roofer Energy Technology (Baoshan) Co., Ltd.
签发日期： Date of issue：	2017-04-01

深圳市北测检测技术有限公司

Shenzhen NTEK Testing Technology Co., Ltd.

Sample Description 样品描述:			
Nominal Voltage 标称电压	3.7V	Rated Capacity 额定容量	2600mAh(9.62Wh)
Standard Charging Current 标准充电电流	520mA	Max. Continuous Charging Current 最大充电电流	1300mA
Limited Charging Voltage 充电限制电压	4.2V	Cut-Off Voltage 放电截止电压	3.0V
Max. Discharge Current 最大放电电流	2600mA	Appearance of Samples 样品外观	Pink and Cylindrical 粉红色和圆柱形
Classification of Samples 样品类型	Small Lithium ion Cells 小型锂离子电芯	Size of cell (D×H) 电芯尺寸	18.1×64.9mm

Receiving Date 接收日期	2017-01-19	Completing Date 完成日期	2017-04-01

Remarks 备注说明:

Cells of A1#-A10# are fully charged at first cycle;

Cells of A11#-A15# at 50% of the design rated capacity at first cycle;

Cells of A16#-A25# at first cycle in fully discharged states;

Cells of A26#-A35# are fully discharged after 50 cycles;

Test environment condition: ambient temperature: 15-25℃, ambient humidity: 40-70%

电芯 A1#-A10#为一次循环满电状态；

电芯 A11#-A15#为一次循环后 50%充电状态；

电芯 A16#-A25#为一次循环完全放电状态；

电芯 A26#-A35#为 50 个循环完全放电状态；

试验环境条件：环境温度：15-25℃，环境湿度：40-70%

Summaries of testing 测试摘要:

Each cell type is subjected to tests T.1 to T.8. Tests T.1 to T.5 are conducted in sequence on the same cells. Tests 6 and 8 are conducted using not otherwise tested cells.

每一种类型的电芯均应进行T.1至T.8项试验。电芯必须按顺序在相同的一组电芯上进行试验T.1至T.5。试验T.6和T.8应使用未另外试验过的电芯。

In order to quantify the mass loss, the following procedure is provided:

$$\text{Mass loss}(\%)=(M_1-M_2)/M_1\times 100$$

为了量化质量损失，可用以下公式计算：

$$\text{质量损失}(\%)=(M_1-M_2)/M_1\times 100$$

Where M_1 is the mass before the test and M_2 is the mass after the test. When mass loss does not exceed the values in Table below, it is considered as "no mass loss".

式中：M_1是试验前的质量，M_2是试验后的质量。如果质量损失不超过下表所列的数值，应视为“无质量损失”。