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## KLEIN TOOLS - LITHIUM CELLS OR BATTERIES TEST SUMMARY IN ACCORDANCE WITH SUB-SECTION 38.3 OF UN MANUAL OF TESTS AND CRITERIA

**Product Manufacturer:** Klein Tools Inc.  
450 Bond Street  
Lincolnshire, Illinois 60069

**Telephone:** 1-800-553-4676     **Emergency:** 1-800-535-5053 or 1-352-323-3500

**Email:** [customerservice@kleintools.com](mailto:customerservice@kleintools.com)

**Web:** <https://www.kleintools.com>

Klein Tools product lithium ion cell and batteries have been successfully tested and comply with the UN Model Regulations, Manual of Test and Criteria, Part III, subsection 38.3.

Performed Tests		Result
38.4.1 T1	Altitude Simulation	Pass
38.4.2 T2	Thermal Test	Pass
38.4.3 T3	Vibration	Pass
38.4.4 T4	Shock	Pass
38.4.5 T5	External Short Circuit	Pass
38.4.6 T6	Impact/Crush	Pass or N/A See Note 1
38.4.7 T7	Overcharge	Pass or N/A See Note 2
38.4.8 T8	Forced Discharge	Pass

Note 1: Impact applicable to cylindrical cells no less than 18.0 mm in diameter  
Crush applicable to prismatic, pouch coin/button cells and cylindrical cells less than 18.0 mm in diameter

Note 2: Overcharge Test is required to batteries and single cell batteries level, not cell level

The UN38.3 tests were performed by test houses defined in the Product Test Information.

Signature \_\_\_\_\_  
Director Product Design & Development

Date: \_\_\_\_\_