

Testing of secondary cells and batteries containing alkaline or other non-acid electrolytes. Safety requirements for portable sealed secondary cells, and for batteries made from them, for use in portable applications.

Test criteria for batteries

- 4.2.2: Vibration
- 4.2.3: Moulded case stress at high ambient temperature
- 4.2.4: Temperature cycling
- 4.3.2: External short circuit
- 4.3.3: Free fall
- 4.3.4: Mechanical shock (crash hazard)
- 4.3.8: Overcharge for nickel systems

Test criteria for single cells

- 4.2.1: Continuous low-rate charging
- 4.2.2: Vibration
- 4.2.4: Temperature cycling
- 4.3.1: Incorrect installation of a cell (Ni)
- 4.3.2: External short circuit
- 4.3.3: Free fall
- 4.3.4: Mechanical shock (crash hazard)
- 4.3.5: Thermal abuse
- 4.3.6: Crushing of cells
- 4.3.7: Low pressure
- 4.3.8: Overcharge for nickel systems
- 4.3.9: Overcharge for lithium systems
- 4.3.10: Forced discharge
- 4.3.11: Cell protection against a high charging rate (Li)

If you have further questions, we look forward to your enquiry at +49 6188-99560 or by email: mail@bmz-gmbh.de.