BATTERY UNIVERSITY
Testlab Experts

ilac-MRA DAkkS Deutsche Akkreditierungsstelle D-PL-20132-01-00

UN 38.3 TEST REPORT SUMMARY

We herewith confirm that each battery of this type is proved to meet the requirements of applicable tests in the UN Manual of Tests and Criteria ST/SG/AC.10/11/Rev.8, Part III, Sub-Section 38.3.

In the following, lithium battery test summary according to Sub-Section 38.3.5

(a), (b) Manufacturer:	C. & E. Fein GmbH Hans-Fein-Str. 81 73529 Schwäbisch Gmünd-Bargau Germany	Phone: +49 (0) 7173 183-0 E-Mail: info@fein.de Webpage: www.fein.com
Customer:	C. & E. Fein GmbH Hans-Fein-Str. 81 73529 Schwäbisch Gmünd-Bargau Germany	Phone: +49 (0) 7173 183-0 E-Mail: info@fein.de Webpage: www.fein.com
(c) Test laboratory:	Batteryuniversity GmbH Am Sportplatz 30 63791 Karlstein am Main Germany	Phone: +49 6188 – 99410-0 E-Mail: mail@batteryuniversity.eu Webpage: www.batteryuniversity.eu
(d) Report reference no.:	BU-202510176-B1	
(e) Date of test report:	October 7, 2025	
(f) Description of devices under test:	(i) Type:	Lithium-ion batteries
	(ii) Mass of battery:	461 g
	(iii) Watt-hour rating:	54.0 Wh
	(iv) Physical description:	5S1P TerraE INR18650- 32P or Tenpower INR18650-30PG; re-chargeable battery
	(v) Model numbers:	92604182020; B18A.182.03
(g) Performed tests:	T.1 Altitude simulation:	Passed
	T.2 Thermal test:	Passed
	T.3 Vibration:	Passed
	T.4 Shock:	Passed
	T.5 External short circuit:	Passed
	T.6 Impact/Crush:	Not applicable
	T.7 Overcharge:	Passed
	T.8 Forced discharge:	Not applicable
(h) Reference to assembled battery testing requirements:	Not applicable	
(i) Applied standard:	UN ST/SG/AC.10/11/Rev.8 Manual of Tests and Criteria, Part III, section 38.3, Lithium metal, lithium ion and sodium ion batteries	

(j) Signature: October 7, 2025 A. Roth

Alexander Roth, Laboratory Manager

Note: This confirmation is valid only in conjunction with the report reference.