

## Lithium Cell/Battery UN38.3 Test Summary Report

IN ACCORDANCE WITH SUB-SECTION 38.3 OF MANUAL OF TESTS AND CRITERIA

Battery model name		B14/2.6 Li-Ion (01)	Li-Ion battery (rechargeable)
Manufacturer	<b>Hilti Corporation</b> Feldkircherstrasse 100 LI – 9494 Schaan Liechtenstein <a href="http://www.hilti.com">www.hilti.com</a> Phone: +1 352 323 3500	Responsible contact person at Hilti	<b>Mr. Stefan Tobler</b> Transport Manager Dangerous Goods GLD Global Transport & Warehousing E-Mail: <a href="mailto:Stefan.Tobler@hilti.com">Stefan.Tobler@hilti.com</a> Phone: +41 79 893 8789


Cell model name	Samsung SDI INR18650-25R++* / INR19/66  *Model Details: INR18650-25R++ These cells may have optional alphanumeric characters or blanc, not related safety)	Test laboratory	Name	SRICI Shanghai Research Institute of Chemical Industry Testing Centre
			Address	No. 345 East Yunling Road, 200062 Shanghai, P.R. China
			Phone	+86 021-52815377-0713/0714/0717/
			E-Mail	<a href="mailto:Msds123@gmail.com">Msds123@gmail.com</a>
			website	<a href="http://www.ghs.cn/index.aspx?language=en">http://www.ghs.cn/index.aspx?language=en</a>
		Test report ID	NO1117110207	
		Report Date	2017-12-27	

DESCRIPTION OF BATTERY			
Model number(s)	B14/2.6 Li-Ion (01)		
Type of battery	Li-Ion battery (rechargeable)	Mass of battery [g]	370
Configuration battery	4s1p	Total number of cells per battery	4
Nominal voltage battery [V]	14.4	Rated Power per cell [Wh]	9.0
Rated capacity battery [Ah]	2.5	Rated Power per battery [Wh]	36.0
Hilti manufactures all cells/batteries under a quality management system as required by this regulation			

TESTS AND RESULTS				
List of tests conducted and results - Mark N/A, pass or fail with a “X”		N/A	Pass	Fail
38.3.4.1	T1 – Altitude simulation		X	
38.3.4.2	T2 – Thermal test		X	
38.3.4.3	T3 – Vibration		X	
38.3.4.4	T4 – Shock		X	
38.3.4.5	T5 – External Short Circuit		X	
38.3.4.6	T6 – Impact/Crush (cell only)		X	
38.3.4.7	T7 – Overcharge		X	
38.3.4.8	T8 – Forced discharge (cell only)		X	
		N/A	UN38.3.3(f)	UN38.3.3(g)
Reference to assembled battery testing requirements UN 38.3.3			X	

TEST REFERENCE		
UN Manual of Test and Criteria, Part III, sub-section 38.3 as applicable at the date of the type testing.		
	Cell	Battery
Revision	ST/SG/AC.10/11Rev.6/	ST/SG/AC.10/11Rev.6/
Amendment	UN 38.3	UN 38.3

The manufacture of the cell / battery is in accordance with the documented quality management system as required by the regulations.

Signatory		
Place, Date	Name, Title	Company stamp and signature
Schaan, 2019-08-26	Stefan Tobler Transport Manager Dangerous Goods GLD Global Transport & Warehousing	 Hilti Aktiengesellschaft Feldkircherstrasse 100 9494 Schaan Fürstentum Liechtenstein