



**Hilti Corporation**  
 Feldkircherstrasse 100  
 9494 Schaan, LI  
[www.hilti.com](http://www.hilti.com)

**Lithium Cell/Battery UN38.3 Test Summary Report**  
 IN ACCORDANCE WITH SUB-SECTION 38.3 OF MANUAL OF TESTS AND CRITERIA

<b>Battery model name</b>		<b>B36/2.6 Li-Ion (02)</b>	<b>Li-Ion battery (rechargeable)</b>
<b>Manufacturer</b>	<i>Hilti Corporation</i> Feldkircherstrasse 100 LI – 9494 Schaan Liechtenstein <a href="http://www.hilti.com">www.hilti.com</a> Phone: +1 352 323 3500	<b>Responsible contact person at Hilti</b>	<i>Mr. Stefan Tobler</i> 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


<b>Cell model name</b>	muRata (Sony) US18650 VTC5 /  INR19/66	<b>Test laboratory</b>	<b>Name</b>	<b>SLG Prüf- u. Zertifizierungs GmbH</b>
			<b>Address</b>	Burgstädter Str. 20, 09232 Hartmannsdorf, Germany
			<b>Phone</b>	+49(0)3722 7323-0
			<b>E-Mail</b>	<a href="mailto:service@slg.de.com">service@slg.de.com</a>
			<b>website</b>	<a href="http://www.slg.de.com">www.slg.de.com</a>
		<b>Test report ID</b>	1035-15-MM-16-PP005	
		<b>Report Date</b>	2015-06-25	

<b>DESCRIPTION OF BATTERY</b>			
<b>Model number(s)</b>	B36/2.6 Li-Ion (02)		
<b>Type of battery</b>	Li-Ion battery (rechargeable)	<b>Mass of battery [g]</b>	780
<b>Configuration battery</b>	10s1p	<b>Total number of cells per battery</b>	10
<b>Nominal voltage battery [V]</b>	36.0	<b>Rated Power per cell [Wh]</b>	9.36
<b>Rated capacity battery [Ah]</b>	2.6	<b>Rated Power per battery [Wh]</b>	93.6
Hilti manufactures all cells/batteries under a quality management system as required by this regulation			

<b>TESTS AND RESULTS</b>				
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	

<b>TEST REFERENCE</b>		
UN Manual of Test and Criteria, Part III, sub-section 38.3 as applicable at the date of the type testing.		
	<b>Cell</b>	<b>Battery</b>
<b>Revision</b>	ST/SG/AC.10/11Rev.5/Amend.1&	ST/SG/AC.10/11Rev.5/Amend.1&
<b>Amendment</b>	Amend.2 UN 38.3	Amend.2 UN 38.3

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

<b>Signatory</b>		
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



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

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

<b>Battery model name</b>		<b>B36/2.6 Li-Ion (02)</b>	<b>Li-Ion battery (rechargeable)</b>
<b>Manufacturer</b>	<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	<b>Responsible contact person at Hilti</b>	<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


<b>Cell model name</b>	Samsung SDI INR18650-25R++* / INR19/66  *Model Details: INR18650-25R++ These cells may have optional alphanumeric characters or blanc, not related safety)	<b>Test laboratory</b>	<b>Name</b>	<b>SLG Prüf- u. Zertifizierungs GmbH</b>
			<b>Address</b>	Burgstädter Str. 20, 09232 Hartmannsdorf, Germany
			<b>Phone</b>	+49(0)3722 7323-0
			<b>E-Mail</b>	<a href="mailto:service@slg.de.com">service@slg.de.com</a>
			<b>website</b>	<a href="http://www.slg.de.com">www.slg.de.com</a>
		<b>Test report ID</b>	1035-15-MM-16-PP008	
		<b>Report Date</b>	2016-02-02	

DESCRIPTION OF BATTERY			
<b>Model number(s)</b>	B36/2.6 Li-Ion (02)		
<b>Type of battery</b>	Li-Ion battery (rechargeable)	<b>Mass of battery [g]</b>	787
<b>Configuration battery</b>	10s1p	<b>Total number of cells per battery</b>	10
<b>Nominal voltage battery [V]</b>	36.0	<b>Rated Power per cell [Wh]</b>	9.36
<b>Rated capacity battery [Ah]</b>	2.6	<b>Rated Power per battery [Wh]</b>	93.6
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
<b>Revision</b>	ST/SG/AC.10/11Rev.5/Amend.1&	ST/SG/AC.10/11Rev.5/Amend.1&
<b>Amendment</b>	Amend.2 UN 38.3	Amend.2 UN 38.3

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