

Lithium Cell / Battery Test Summary

In Accordance with UN Manual of Tests and Criteria (T&C),
Subsection 38.3



Cell / Battery

Name CR1616
Type Lithium metal cell
Physical description Primary lithium metal cell

Manufacturer

Name VARTA Consumer Batteries GmbH & Co. KGaA
Address Alfred-Krupp-Str 9
73479 Ellwangen, Germany
Phone +49 (0) 7961 830
Email info@eu.spectrumbrands.com
Website https://www.varta-consumer.com

Test laboratory

Name VARTA Microbattery GmbH
Address Daimlerstraße 1, 73479 Ellwangen, Germany
Phone +49 (0) 7961 9210
Email info@varta-microbattery.com
Website www.varta-microbattery.com

Model number	Mass [g]	Li metal content [g]	Edition of the Manual T&C used	Test report number	Test report date
6616	1,2	0,02	ST/SG/AC.10/11/Rev.5 /Amend.1	2017-04-12-01	12.04.2017

Test	Result	Test	Result
T1 – Altitude simulation	Passed	T5 – External Short Circuit	Passed
T2 – Thermal Test	Passed	T6 – Impact / Crush	Passed
T3 – Vibration	Passed	T7 – Overcharge	N/A
T4 – Shock	Passed	T8 – Forced Discharge	Passed


CONSUMER BATTERIES
Ellwangen, 12.04.2019
VARTA Consumer Batteries GmbH & Co. KGaA
Place, date
Alfred-Krupp-Str. 9 | 73479 Ellwangen | Germany
Company stamp


Signature
(Uwe Knödler, Manager Quality & NPd)

Lithium Cell / Battery Test Summary

In Accordance with UN Manual of Tests and Criteria (T&C),
Subsection 38.3



Cell / Battery

Name CR1620
Type Lithium metal cell
Physical description Primary lithium metal cell

Manufacturer

Name VARTA Consumer Batteries GmbH & Co. KGaA
Address Alfred-Krupp-Str 9
73479 Ellwangen, Germany
Phone +49 (0) 7961 830
Email info@eu.spectrumbrands.com
Website https://www.varta-consumer.com

Test laboratory

Name Panasonic Corporation, Automotive & Industrial Systems Company
Address 1006, Oaza Kadoma, Ladoma-shi, Osaka
571-8501, Japan
Phone +81 (0) 669 081 121
Email -
Website http://www.panasonic.com

Model number	Mass [g]	Li metal content [g]	Edition of the Manual T&C used	Test report number	Test report date
6620	1,2	0,02	ST/SG/AC.10/11/Rev.5 /Amend.1	CR1620-002	01.01.2018

Test	Result	Test	Result
T1 – Altitude simulation	Passed	T5 – External Short Circuit	Passed
T2 – Thermal Test	Passed	T6 – Impact / Crush	Passed
T3 – Vibration	Passed	T7 – Overcharge	N/A
T4 – Shock	Passed	T8 – Forced Discharge	Passed



Signature
(Uwe Knödler, Manager Quality & NPd)

Lithium Cell / Battery Test Summary

In Accordance with UN Manual of Tests and Criteria (T&C),
Subsection 38.3



Cell / Battery

Name CR1632
Type Lithium metal cell
Physical description Primary lithium metal cell

Manufacturer

Name VARTA Consumer Batteries GmbH & Co. KGaA
Address Alfred-Krupp-Str 9
73479 Ellwangen, Germany
Phone +49 (0) 7961 830
Email info@eu.spectrumbrands.com
Website https://www.varta-consumer.com

Test laboratory

Name VARTA Microbattery GmbH
Address Daimlerstraße 1, 73479 Ellwangen, Germany
Phone +49 (0) 7961 9210
Email info@varta-microbattery.com
Website www.varta-microbattery.com

Model number	Mass [g]	Li metal content [g]	Edition of the Manual T&C used	Test report number	Test report date
6632	1,8	0,04	ST/SG/AC.10/11/Rev.5 /Amend.1	2017-10-05-01	05.10.2017

Test	Result	Test	Result
T1 – Altitude simulation	Passed	T5 – External Short Circuit	Passed
T2 – Thermal Test	Passed	T6 – Impact / Crush	Passed
T3 – Vibration	Passed	T7 – Overcharge	N/A
T4 – Shock	Passed	T8 – Forced Discharge	Passed

CONSUMER BATTERIES
Ellwangen, 05.10.2019
VARTA Consumer Batteries GmbH & Co. KGaA
Alfred-Krupp-Str. 9 | 73479 Ellwangen | Germany
Company stamp

Signature
(Uwe Knödler, Manager Quality & NPd)

Lithium Cell / Battery Test Summary

In Accordance with UN Manual of Tests and Criteria (T&C),
Subsection 38.3



Cell / Battery

Name CR2012
Type Lithium metal cell
Physical description Primary lithium metal cell

Manufacturer

Name VARTA Consumer Batteries GmbH & Co. KGaA
Address Alfred-Krupp-Str 9
73479 Ellwangen, Germany
Phone +49 (0) 7961 830
Email info@eu.spectrumbrands.com
Website https://www.varta-consumer.com

Test laboratory

Name Panasonic Corporation, Automotive & Industrial Systems Company
Address 1006, Oaza Kadoma, Ladoma-shi, Osaka
571-8501, Japan
Phone +81 (0) 669 081 121
Email -
Website http://www.panasonic.com

Model number	Mass [g]	Li metal content [g]	Edition of the Manual T&C used	Test report number	Test report date
6012	1,4	0,02	ST/SG/AC.10/11/Rev.5 /Amend.1	CR2012-002	01.01.2018

Test	Result	Test	Result
T1 – Altitude simulation	Passed	T5 – External Short Circuit	Passed
T2 – Thermal Test	Passed	T6 – Impact / Crush	Passed
T3 – Vibration	Passed	T7 – Overcharge	N/A
T4 – Shock	Passed	T8 – Forced Discharge	Passed


CONSUMER BATTERIES
Ellwangen, 01.01.2019
VARTA Consumer Batteries GmbH & Co. KGaA
Place, date
Alfred-Krupp-Str. 9 | 73479 Ellwangen | Germany
Company stamp
Postfach 10 00 007 | 73473 Ellwangen | Germany


Signature
(Uwe Knödler, Manager Quality & NPd)

Lithium Cell / Battery Test Summary

In Accordance with UN Manual of Tests and Criteria (T&C),
Subsection 38.3



Cell / Battery

Name CR2016
Type Lithium metal cell
Physical description Primary lithium metal cell

Manufacturer

Name VARTA Consumer Batteries GmbH & Co. KGaA
Address Alfred-Krupp-Str 9
73479 Ellwangen, Germany
Phone +49 (0) 7961 830
Email info@eu.spectrumbrands.com
Website https://www.varta-consumer.com

Test laboratory

Name Guangzhou MCM Certification and Testing Co., Ltd.
Address 1F No.13, Zhong San Section, ShiGuang Road, Panyu District, Guangzhou City,
Guangdong Province, China
Phone +86 (0) 20 34 777 662
Email markmiao@mcmtek.com
Website http://www.mcmtek.com

Model number	Mass [g]	Li metal content [g]	Edition of the Manual T&C used	Test report number	Test report date
6016	1,80	0,024	ST/SG/AC.10/11/Rev.6	LJKJ20180901U 09	28.09.2018

Test	Result	Test	Result
T1 – Altitude simulation	Passed	T5 – External Short Circuit	Passed
T2 – Thermal Test	Passed	T6 – Impact / Crush	Passed
T3 – Vibration	Passed	T7 – Overcharge	N/A
T4 – Shock	Passed	T8 – Forced Discharge	Passed


CONSUMER BATTERIES
Ellwangen, 11.09.2019
VARTA Consumer Batteries GmbH & Co. KGaA
Place, date
Alfred-Krupp-Str. 9 | 73479 Ellwangen | Germany
Company stamp
Postfach 10 00 007 | 73473 Ellwangen | Germany


Signature
(Uwe Knödler, Manager Quality & NPd)

Lithium Cell / Battery Test Summary

In Accordance with UN Manual of Tests and Criteria (T&C),
Subsection 38.3



Cell / Battery

Name CR2025
Type Lithium metal cell
Physical description Primary lithium metal cell

Manufacturer

Name VARTA Consumer Batteries GmbH & Co. KGaA
Address Alfred-Krupp-Str 9
73479 Ellwangen, Germany
Phone +49 (0) 7961 830
Email info@eu.spectrumbrands.com
Website https://www.varta-consumer.com

Test laboratory

Name Guangzhou MCM Certification and Testing Co., Ltd.
Address 1F No.13, Zhong San Section, ShiGuang Road, Panyu District, Guangzhou City,
Guangdong Province, China
Phone +86 (0) 20 34 777 662
Email markmiao@mcmtek.com
Website http://www.mcmtek.com

Model number	Mass [g]	Li metal content [g]	Edition of the Manual T&C used	Test report number	Test report date
6025	2,44	0,048	ST/SG/AC.10/11/Rev.6	LJKJ20180112U 02	02.02.2018

Test	Result	Test	Result
T1 – Altitude simulation	Passed	T5 – External Short Circuit	Passed
T2 – Thermal Test	Passed	T6 – Impact / Crush	Passed
T3 – Vibration	Passed	T7 – Overcharge	N/A
T4 – Shock	Passed	T8 – Forced Discharge	Passed



Signature
(Uwe Knödler, Manager Quality & NPd)

Lithium Cell / Battery Test Summary

In Accordance with UN Manual of Tests and Criteria (T&C),
Subsection 38.3



Cell / Battery

Name CR2032
Type Lithium metal cell
Physical description Primary lithium metal cell

Manufacturer

Name VARTA Consumer Batteries GmbH & Co. KGaA
Address Alfred-Krupp-Str 9
73479 Ellwangen, Germany
Phone +49 (0) 7961 830
Email info@eu.spectrumbrands.com
Website https://www.varta-consumer.com

Test laboratory

Name Guangzhou MCM Certification and Testing Co., Ltd.
Address 1F No.13, Zhong San Section, ShiGuang Road, Panyu District, Guangzhou City,
Guangdong Province, China
Phone +86 (0) 20 34 777 662
Email markmiao@mcmtek.com
Website http://www.mcmtek.com

Model number	Mass [g]	Li metal content [g]	Edition of the Manual T&C used	Test report number	Test report date
6032	3,2	0,064	ST/SG/AC.10/11/Rev.6	LJKJ20180112U 01	02.02.2018

Test	Result	Test	Result
T1 – Altitude simulation	Passed	T5 – External Short Circuit	Passed
T2 – Thermal Test	Passed	T6 – Impact / Crush	Passed
T3 – Vibration	Passed	T7 – Overcharge	N/A
T4 – Shock	Passed	T8 – Forced Discharge	Passed



Signature
(Uwe Knödler, Manager Quality & NPd)

Lithium Cell / Battery Test Summary

In Accordance with UN Manual of Tests and Criteria (T&C),
Subsection 38.3



Cell / Battery

Name CR2320
Type Lithium metal cell
Physical description Primary lithium metal cell

Manufacturer

Name VARTA Consumer Batteries GmbH & Co. KGaA
Address Alfred-Krupp-Str 9
73479 Ellwangen, Germany
Phone +49 (0) 7961 830
Email info@eu.spectrumbrands.com
Website https://www.varta-consumer.com

Test laboratory

Name VARTA Microbattery GmbH
Address Daimlerstraße 1, 73479 Ellwangen, Germany
Phone +49 (0) 7961 9210
Email info@varta-microbattery.com
Website www.varta-microbattery.com

Model number	Mass [g]	Li metal content [g]	Edition of the Manual T&C used	Test report number	Test report date
6320	2,9	0,043	ST/SG/AC.10/11/Rev.5	2013-01-02-14	02.01.2013

Test	Result	Test	Result
T1 – Altitude simulation	Passed	T5 – External Short Circuit	Passed
T2 – Thermal Test	Passed	T6 – Impact / Crush	Passed
T3 – Vibration	Passed	T7 – Overcharge	N/A
T4 – Shock	Passed	T8 – Forced Discharge	Passed



Signature
(Uwe Knödler, Manager Quality & NPd)

Lithium Cell / Battery Test Summary

In Accordance with UN Manual of Tests and Criteria (T&C),
Subsection 38.3



Cell / Battery

Name CR2354
Type Lithium metal cell
Physical description Primary lithium metal cell

Manufacturer

Name VARTA Consumer Batteries GmbH & Co. KGaA
Address Alfred-Krupp-Str 9
73479 Ellwangen, Germany
Phone +49 (0) 7961 830
Email info@eu.spectrumbrands.com
Website https://www.varta-consumer.com

Test laboratory

Name Guangzhou MCM Certification and Testing Co., Ltd.
Address 1F No.13, Zhong San Section, ShiGuang Road, Panyu District, Guangzhou City,
Guangdong Province, China
Phone +86 (0) 20 34 777 662
Email markmiao@mcmtek.com
Website http://www.mcmtek.com

Model number	Mass [g]	Li metal content [g]	Edition of the Manual T&C used	Test report number	Test report date
6354	6,9	0,15	ST/SG/AC.10/11/Rev.6	LJKJ20180901U 02	28.09.2018

Test	Result	Test	Result
T1 – Altitude simulation	Passed	T5 – External Short Circuit	Passed
T2 – Thermal Test	Passed	T6 – Impact / Crush	Passed
T3 – Vibration	Passed	T7 – Overcharge	N/A
T4 – Shock	Passed	T8 – Forced Discharge	Passed



Signature
(Uwe Knödler, Manager Quality & NPd)

Lithium Cell / Battery Test Summary

In Accordance with UN Manual of Tests and Criteria (T&C),
Subsection 38.3



Cell / Battery

Name CR2430
Type Lithium metal cell
Physical description Primary lithium metal cell

Manufacturer

Name VARTA Consumer Batteries GmbH & Co. KGaA
Address Alfred-Krupp-Str 9
73479 Ellwangen, Germany
Phone +49 (0) 7961 830
Email info@eu.spectrumbrands.com
Website https://www.varta-consumer.com

Test laboratory

Name Guangzhou MCM Certification and Testing Co., Ltd.
Address 1F No.13, Zhong San Section, ShiGuang Road, Panyu District,
Guangzhou City, Guangdong Province, China
Phone +86 (0) 20 34 777 662
Email markmiao@mcmtek.com
Website http://www.mcmtek.com

Model number	Mass [g]	Li metal content [g]	Edition of the Manual T&C used	Test report number	Test report date
6430	4,46	0,086	ST/SG/AC.10/11/Rev.6	LJKJ20180901U 05	28.09.2018

Test	Result	Test	Result
T1 – Altitude simulation	Passed	T5 – External Short Circuit	Passed
T2 – Thermal Test	Passed	T6 – Impact / Crush	Passed
T3 – Vibration	Passed	T7 – Overcharge	N/A
T4 – Shock	Passed	T8 – Forced Discharge	Passed

CONSUMER BATTERIES
Ellwangen, N.M. 2019
VARTA Consumer Batteries GmbH & Co. KGaA
Place, date
Alfred-Krupp-Str. 9 | 73479 Ellwangen | Germany
Company stamp
HSE/01/01/004/1903 | 73479 Ellwangen | Germany

Signature
(Uwe Knödler, Manager Quality & NPd)

Lithium Cell / Battery Test Summary

In Accordance with UN Manual of Tests and Criteria (T&C),
Subsection 38.3



Cell / Battery

Name CR2450
Type Lithium metal cell
Physical description Primary lithium metal cell

Manufacturer

Name VARTA Consumer Batteries GmbH & Co. KGaA
Address Alfred-Krupp-Str 9
73479 Ellwangen, Germany
Phone +49 (0) 7961 830
Email info@eu.spectrumbrands.com
Website https://www.varta-consumer.com

Test laboratory

Name Guangzhou MCM Certification and Testing Co., Ltd.
Address 1F No.13, Zhong San Section, ShiGuang Road, Panyu District,
Guangzhou City, Guangdong Province, China
Phone +86 (0) 20 34 777 662
Email markmiao@mcmtek.com
Website http://www.mcmtek.com

Model number	Mass [g]	Li metal content [g]	Edition of the Manual T&C used	Test report number	Test report date
6450	6,72	0,165	ST/SG/AC.10/11/Rev.6	LJKJ20180405Z0 1	26.04.2018

Test	Result	Test	Result
T1 – Altitude simulation	Passed	T5 – External Short Circuit	Passed
T2 – Thermal Test	Passed	T6 – Impact / Crush	Passed
T3 – Vibration	Passed	T7 – Overcharge	N/A
T4 – Shock	Passed	T8 – Forced Discharge	Passed



Signature
(Uwe Knödler, Manager Quality & NPd)

Lithium Cell / Battery Test Summary

In Accordance with UN Manual of Tests and Criteria (T&C),
Subsection 38.3



Cell / Battery

Name CR2477
Type Lithium metal cell
Physical description Primary lithium metal cell

Manufacturer

Name VARTA Consumer Batteries GmbH & Co. KGaA
Address Alfred-Krupp-Str 9
73479 Ellwangen, Germany
Phone +49 (0) 7961 830
Email info@eu.spectrumbrands.com
Website https://www.varta-consumer.com

Test laboratory

Name Panasonic Corporation, Automotive & Industrial Systems Company
Address 1006, Oaza Kadoma, Ladoma-shi, Osaka
571-8501, Japan
Phone +81 (0) 669 081 121
Email -
Website http://www.panasonic.com

Model number	Mass [g]	Li metal content [g]	Edition of the Manual T&C used	Test report number	Test report date
6477	10,4	0,29	ST/SG/AC.10/11/Rev.5 /Amend.1	CR2477-002	01.01.2018

Test	Result	Test	Result
T1 – Altitude simulation	Passed	T5 – External Short Circuit	Passed
T2 – Thermal Test	Passed	T6 – Impact / Crush	Passed
T3 – Vibration	Passed	T7 – Overcharge	N/A
T4 – Shock	Passed	T8 – Forced Discharge	Passed



Signature
(Uwe Knödler, Manager Quality & NPd)