

Name: Testing Center of BTR New Material Group Co., Ltd.

Address: Bldg.8, High-Tech Industrial Park, Xitian, Gongming, Guangming District, Shenzhen, Guangdong, China

Registration No. CNAS L5169

Accreditation Criteria: ISO/IEC 17025:2017 and relevant requirements of CNAS

Effective Date: 2022-04-24 Expiry Date: 2027-01-13

SCHEDULE 3 ACCREDITED TESTING SCOPE

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
1	Graphite negative electrode materials for lithium ion battery	1	Particle size distribution	Graphite negative electrode materials for lithium ion battery GB/T 24533-2019 Appendix A		2022-04-24
		2	Tap density	Graphite negative electrode materials for lithium ion battery GB/T 24533-2019 Appendix M		2022-04-24
		3	Specific surface area	Determination of the specific surface area of solids by gas adsorption using the BET method GB/T 19587-2017	Accredited only for Multipoint BET determination of Static volumetric method	2022-04-24
		4	Fixed carbon	Method for chemical analysis of graphite GB/T 3521-2008 4.4		2022-04-24
		5	Ash content	Method for chemical analysis of graphite GB/T 3521-2008 4.3		2022-04-24



No. CNAS L5169

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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
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		6	Water content	Graphite negative electrode materials for lithium ion battery GB/T 24533-2019 Appendix B		2022-04-24
		7	Anion content	Graphite negative electrode materials for lithium ion battery GB/T 24533-2019 Appendix I	Accredited only for F ⁻ , Cl ⁻ , Br ⁻ , NO ₃ ⁻ , SO ₄ ²⁻	2022-04-24
		8	Interlayer spacing of d002 and degree of graphitization	Graphite negative electrode materials for lithium ion battery GB/T 24533-2019 Appendix E		2022-04-24
		9	Trace metal elements content	Graphite negative electrode materials for lithium ion battery GB/T 24533-2019 Appendix H	Accredited only for Fe,Co,Cu,A1	2022-04-24
		10	Magnetic substances content	Graphite negative electrode materials for lithium ion battery GB/T 24533-2019 Appendix K		2022-04-24
		11	The powder Pellet density	Graphite negative electrode materials for lithium ion battery GB/T 24533-2019 Appendix L		2022-04-24
		12	true density	Graphite negative electrode materials for lithium ion battery GB/T 24533-2019 Appendix D		2022-04-24
		13	pH value	Graphite negative electrode materials for lithium ion battery GB/T 24533-2019 Appendix C		2022-04-24
		14	morphology observation by Scanning electron microscopy	General rules for analytical methods for scanning electron microscopy JY/T 0584-2020		2022-04-24
		15	measurement of length in micron scale by Scanning electron microscopy	General rules for measurement of length in micron scale by SEM GB/T 16594-2008		2022-04-24



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		16	micro area Quantitat analysis using Scanning electron microscopy and energy dispersive spectrometry	Microbeam analysis—Quantitative analysis using energy dispersive spectrometry GB/T 17359-2012		2022-04-24
		17	mass loss of thermogravimetric analyzers	Standard test method of mass loss and residue measurement validation of thermogravimetric analyzers GB/T 27761-2011		2022-04-24
2	Silicon-carbon negative electrode materials for lithium ion battery	1	Particle size distribution	Particle size analysis-Laser diffraction methods GB/T 19077.1-2016		2022-04-24
		2	Specific surface area	Determination of the specific surface area of solids by gas adsorption using the BET method GB/T 19587-2017	Accredited only for Multipoint BET determination of Static volumetric method	2022-04-24
		3	Tap density	Graphite negative electrode materials for lithium ion battery GB/T 24533-2019 Appendix M		2022-04-24
		4	Water content	Graphite negative electrode materials for lithium ion battery GB/T 24533-2019 Appendix B		2022-04-24
		5	Trace metal elements content	Silicon-carbon GB/T 38823-2020 Appendix C		2022-04-24
		6	Trace element content	Determination of magnetic impurities in anode nanomaterials for Li-ion battery GB/T 33827-2017		2022-04-24
		7	The powder Pellet density	Graphite negative electrode materials for lithium ion battery GB/T 24533-2019 Appendix L		2022-04-24



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		8	Initial discharge specific capacity and Initial columbic efficiency	Silicon-carbon GB/T 38823-2020 Appendix D		2022-04-24
		9	Carbon content	Silicon-carbon GB/T 38823-2020 Appendix A		2022-04-24
		10	Silicon content	Silicon-carbon GB/T 38823-2020 Appendix B		2022-04-24
		11	morphology observation by Scanning electron microscopy	General rules for analytical methods for scanning electron microscopy JY/T 0584-2020		2022-04-24
		12	measurement of length in micron and nano scale by Scanning electron microscopy	General rules for measurement of length in micron scale by SEM GB/T 16594-2008		2022-04-24
				General rules for measurement of length in nano scale by SEM GB/T 20307-2006		2022-04-24
		13	Micro area Quantitat analysis using Scanning electron microscopy and energy dispersive spectrometry	Microbeam analysis—Quantitative analysis using energy dispersive spectrometry GB/T 17359-2012		2022-04-24
3	Activated carbon for supercapacitor	1	Particle size distribution	Graphite negative electrode materials for lithium ion battery GB/T 24533-2019 Appendix A		2022-04-24
		2	Water content	Graphite negative electrode materials for lithium ion battery GB/T 24533-2019 Appendix B		2022-04-24
		3	pH value	Graphite negative electrode materials for lithium ion battery GB/T 24533-2019 Appendix C		2022-04-24



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		4	Specific surface area	Determination of the specific surface area of solids by gas adsorption using the BET method GB/T 19587-2017	Accredited only for Multipoint BET determination of Static volumetric method	2022-04-24
		5	Tap density	Graphite negative electrode materials for lithium ion battery GB/T 24533-2019 Appendix M		2022-04-24
		6	The powder Pellet density	Graphite negative electrode materials for lithium ion battery GB/T 24533-2019 Appendix L		2022-04-24
		7	Trace metal element content	Graphite negative electrode materials for lithium ion battery GB/T 24533-2019 Appendix H	Accredited only for Fe,Co,Cu,Al	2022-04-24
		8	Anion content	Graphite negative electrode materials for lithium ion battery GB/T 24533-2019 Appendix I	Accredited only for Cl ⁻ 、NO ₃ ⁻ 、SO ₄ ²⁻	2022-04-24
4	Pitch	1	ash content	Determination of the ash content of coking solid products GB/T 2295-2008	Accredited only for coal asphalt, modified asphalt	2022-04-24
		2	Softening Point	Determination of softening point in solid products of coal carbonization GB/T 2294-2019	Accredited only for coal	2022-04-24



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					asphalt、 Accredited only for Cup and Ball Method	



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