

Maxwell Technologies, Inc. 3888 Calle Fortunada San Diego, CA 92123

7 December 2018

RE: 3V Cell (3V-3F~50F) REACH Declaration - External

To Our Valued Customers:

The EU Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) Regulation (EC No. 1907/2006) entered into force on June 1, 2007, and will be fully implemented over an 11-year period. It seeks to manage the risks posed by chemicals and provide appropriate safety information to their users.

Maxwell Technologies, Inc., along with its affiliates, vendors and partners, supports the REACH objective of ensuring the protection of human health and the environment as well as the free movement of goods and works with our supply chain to meet our obligations under the regulation.

REACH treats articles (objects, such as electronic equipment) differently than chemicals and chemical mixtures. As of the date of this declaration, the products in Table 1 below, which are manufactured for sale and distribution by Maxwell, are not intended to release any of the REACH-regulated substances. Additionally, no regulated substance within these products exceeds the regulatory threshold of 0.1% by weight of the listed article. As such, Maxwell's primary obligation under REACH is communication of information about regulated substances in our products to users, in accordance with Article 33 of the regulation.

Table 1

BCAP0003 P300 X11	BCAP0005 P300 X11	BCAP0010 P300 X11	BCAP0025 P300 X11
BCAP0050 P300 X11	BCAP0003 P300 X12	BCAP0010 P300 X12	BCAP0025 P300 X12

The above statements are based upon one of the following techniques employed by Maxwell, its affiliates, vendors, or partners: certification at accredited test facilities; or through similarity in construction and materials used. REACH test report prepared for Maxwell by an accredited test facility is attached.

For additional questions or information, please contact your Maxwell Key Account Manager.



Maxwell Technologies, Inc. Global Headquarters 3888 Calle Fortunada San Diego, CA 92123 USA Phone: +1 (858) 503-3300 Fax: +1 (858) 503-3301



Germany Phone: +49 (0)89 4161403 0 Fax: +49 (0)89 4161403 99



Maxwell Technologies Korea Co., Ltd 17, Dongtangihe 681beon-gil, Giheung-gu, Yongin-si Gyeonggi-do Republic of Korea one: +82 31 239 0721 Fax: +82 31 286 676

www.maxwell.com



Maxwell Technologies (Shanghai) Trading Co., Ltd Room 1005, 1006 and 1007 No. 1898, Gonghexin Road, Jing An District, Shanghai 200072 P.R. China Phone: +86 21 3680 4600 Fax: +86 21 3680 4699



Maxwell Technologies, Inc. Shanghai Representative Office Rm 1008 No. 1898, Gonghexin Road, Jing An District, Shanghai 200072 P.R. China Phone: +86 21 3680 4600 Fax: +86 21 3680 4699

3002791 REV 01

THIS PAGE INTENTIONALLY LEFT BLANK



NESSCAP CO..LTD

17, Dongtangiheung-ro 681beon-gil, Giheung-gu Yongin-si, Gyeonggi-do Korea



The following sample(s) was/were submitted and identified by/on behalf of the client as:-

SGS File No.	: AYAA18-60283
Product Name	: Ultracapacitor
Item/Part Name	: BCAP0050 P300 X11
Client reference data	: BCAP0003 P300 X11, BCAP0005 P300 X11, BCAP0010 P300 X11, BCAP0025 P300 X11, BCAP0003 P300 X12, BCAP0010 P300 X12, BCAP0025 P300 X12
Received Date	: 2018. 11. 14
Test Period	: 2018. 11. 14 ~ 2018. 11. 21
Test Requested	: One hundred- Ninety one (191) substances in the Candidate List of Substances of Very High Concern (SVHC) for authorization published by European Chemicals Agency (ECHA) on June 27, 2018 regarding Regulation (EC) No 1907/2006 concerning the REACH.
	Six (6) substances in the Public Consultation List of potential Substances of Very High Concern (SVHC) published by European Chemicals Agency (ECHA) on September 4, 2018 regarding Regulation (EC) No 1907/2006 concerning the REACH
Report Comments	: By the applicant's request, item No.s/part No.s & client reference information are stated/added on report.
Test Method	: Please refer to next page(s).
Test Result(s)	: Please refer to next page(s).
Summary	 According to the specified scope and evaluation screening, the test results of SVHC are ≤ 0.1% (w/w) in the articles of the submitted sample.

SGS Korea Co., Ltd

Jeff Jan

Jeff Jang / Chemical Lab Mgr

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-conditions for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/en/Terms-and-conditions for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms-e-document.htm. Attention is drawn to the limitation of liability, non-onlined hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's Instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, which prior written approad of the Company. Any unautorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s).



SGS Korea Co Lto

322, The O valley, 76, LS-ro, Dongan-gu, Anyang-si, Gyeonggi-do, Korea 14117 t +82 (0)31 4608 000 f +82 (0)31 4608 059 <u>http://www.sgsgroup.kr</u>



Test Report No. F690101/LF-CTSAYAA18-60283

Test Method:

SGS In-House method - Analyzed by ICP-OES, PLM, UV/VIS, LC/MS ,GC/MS and colorimetric method

Remarks:

1. The chemical analysis of specified SVHC is performed by means of currently available analytical techniques against the following SVHC related documents published by ECHA: <u>http://echa.europa.eu/web/quest/candidate-list-table</u> (Candidate list) <u>http://echa.europa.eu/proposals-to-identify-substances-of-very-high-concern-previous-consultations?p p id=substancetypelist WAR substanceportlet&p p lifecycle=0&p p state=normal&p p mode =view&p p col id=column-1&p p col pos=2&p p col count=4& substancetypelis (Proposals to identify SVHC consulations)</u>

This list is under evaluation by ECHA and may subject to change in the future.

- 2. In accordance with Regulation (EC) No 1907/2006, any producer or importer of articles shall notify ECHA, in accordance with paragraph 2 of Article 7, if a substance meets the criteria in Article 57 and is identified in accordance with Article 59(1) of the Regulation, if (a) the substance is present in those articles in quantities totaling over one tonne per producer or importer per year; and (b) the substance is present in those articles above a concentration of 0.1 % weight by weight (w/w).
- 3. Article 33 of Regulation (EC) No 1907/2006 requires supplier of an article containing a substance meeting the criteria in Article 57 and identified in accordance with Article 59(1) in a concentration above 0.1 % weight by weight (w/w) shall provide the recipient of the article with sufficient information, available to the supplier, to allow safe use of the article including, as a minimum, the name of that substance in the Candidate List.
- 4. If a SVHC is found over the reporting limit, client is suggested to identify the component which contains the SVHC and the exact concentration of the SVHC by requesting further quantitative analysis from the laboratory.

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms-e-document.htm. Attention is drawn to the limitation of Itability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's indings at the time of its Intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized altereation, forger or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s).



Note:

- 1. RL = Reporting Limit, 0.1% (w/w) = 1,000 ppm = 1,000 mg/kg
- 2. N.D. = Not detected (lower than RL)

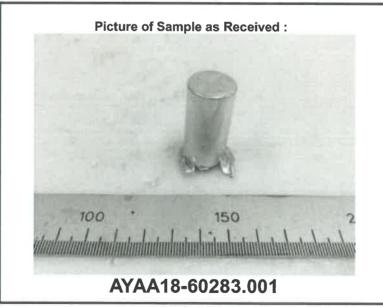
N.A. = Not applicable for respective material type.

The submitted sample was found to contain significant amount of specific element(s) of SVHC. Upon further test verification and also information provided from client, the possibility that the element(s) content originate from SVHC is very unlikely, even though their presence cannot be exclude entirely. It may be assumed that the detected element(s) have a non-SVHC source.

 *.The test result is based on the calculation of selected element(s) / marker(s) and to the worst-case scenario. For detail information, please refer to the SGS REACH website: <u>www.reach.sgs.com/substance-of-very-high-concern-analysis-information-page.htm</u>

The client is advised to review the chemical formulation to ascertain above metal substances present in the article. RL = 0.005% is evaluated for element (i.e. cobalt, arsenic, lead, sodium, chromium, chromium(VI), silicon, aluminum, zirconium, boron, and potassium respectively), except molybdenum RL=0.0005%

- 4. **. -TGIC is one of the isomers for TGIC compounds and hence, tested together. The reported test result is based the proposed ratio as according to ECHA dossier.
- 5. ***. The sample was diluted with solvent because of matrix effect, so there could be slight increase in MDL and it may have an effect on RL.



*** End of Report ***

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/en/Terms-and-Conditions aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/en/Terms-and-Conditions aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/en/Terms-and-Conditions aspx is intervention only and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the transaction for exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s).

F415 version 3

GS Korea Co Ltd

322, The O valley, 76, LS-ro, Dongan-gu, Anyang-si, Gyeonggi-do, Korea 14117 t +82 (0)31 4608 000 f +82 (0)31 4608 059 <u>http://www.sqsqroup.kr</u>



NESSCAP CO.,LTD

17, Dongtangiheung-ro 681beon-gil, Giheung-gu Yongin-si, Gyeonggi-do Korea



The following sample(s) was/were submitted and identified by/on behalf of the client as:-

SGS File No.	: AYAA18-60284
Product Name	: Ultracapacitor
Item/Part Name	: BCAP0050 P300 X11
Client reference data	BCAP0003 P300 X11, BCAP0005 P300 X11, BCAP0010 P300 X11, BCAP0025 P300 X11, BCAP0003 P300 X12, BCAP0010 P300 X12, BCAP0025 P300 X12
Received Date	: 2018. 11. 14
Test Period	: 2018. 11. 14 ~ 2018. 11. 21
Test Requested	: One hundred- Ninety one (191) substances in the Candidate List of Substances of Very High Concern (SVHC) for authorization published by European Chemicals Agency (ECHA) on June 27, 2018 regarding Regulation (EC) No 1907/2006 concerning the REACH.
	Six (6) substances in the Public Consultation List of potential Substances of Very High Concern (SVHC) published by European Chemicals Agency (ECHA) on September 4 2018 regarding Regulation (EC) No 1907/2006 concerning the REACH
Report Comments	: By the applicant's request, item No.s/part No.s & client reference information are stated/added on report.
Test Method	: Please refer to next page(s).
Test Result(s)	: Please refer to next page(s).
Summary	 According to the specified scope and evaluation screening, the test results of SVHC are ≤ 0.1% (w/w) in the articles of the submitted sample.

SGS Korea Co., Ltd

lett

Jeff Jang / Chemical Lab Mgr

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-conditions for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/en/Terms-and-conditions for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms-a-document.htm. Attention is drawn to the limit atom of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. And undurtarized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the taw. Unless ontworks stated the results shown in this test report refer only to the sample(s).



SGS Korea Co Lto

322, The O valley, 76, LS-ro, Dongan-gu, Anyang-si, Gyeonggi-do, Korea 14117 t +82 (0)31 4608 000 f +82 (0)31 4608 059 <u>http://www.sgsgroup.kr</u>



Test Method:

SGS In-House method - Analyzed by ICP-OES, PLM, UV/VIS, LC/MS ,GC/MS and colorimetric method

Remarks:

- 1. The chemical analysis of specified SVHC is performed by means of currently available analytical techniques against the following SVHC related documents published by ECHA: http://echa.europa.eu/web/guest/candidate-list-table (Candidate list) http://echa.europa.eu/proposals-to-identify-substances-of-very-high-concern-previousconsultations?p p id=substancetypelist WAR substanceportlet&p p lifecycle=0&p p state=normal&p p mode =view&p p col id=column-1&p p col pos=2&p p col count=4& substancetypelis (Proposals to identify SVHC consulations) This list is under evaluation by ECHA and may subject to change in the future.
- 2. In accordance with Regulation (EC) No 1907/2006, any producer or importer of articles shall notify ECHA, in accordance with paragraph 2 of Article 7, if a substance meets the criteria in Article 57 and is identified in accordance with Article 59(1) of the Regulation, if (a) the substance is present in those articles in quantities totaling over one tonne per producer or importer per year; and (b) the substance is present in those articles above a concentration of 0.1 % weight by weight (w/w).
- 3. Article 33 of Regulation (EC) No 1907/2006 requires supplier of an article containing a substance meeting the criteria in Article 57 and identified in accordance with Article 59(1) in a concentration above 0.1 % weight by weight (w/w) shall provide the recipient of the article with sufficient information, available to the supplier, to allow safe use of the article including, as a minimum, the name of that substance in the Candidate List.
- 4. If a SVHC is found over the reporting limit, client is suggested to identify the component which contains the SVHC and the exact concentration of the SVHC by requesting further quantitative analysis from the laboratory.

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/nr/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms-e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's Instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s).



Note:

- 1. RL = Reporting Limit, 0.1% (w/w) = 1,000 ppm = 1,000 mg/kg
- 2. N.D. = Not detected (lower than RL)

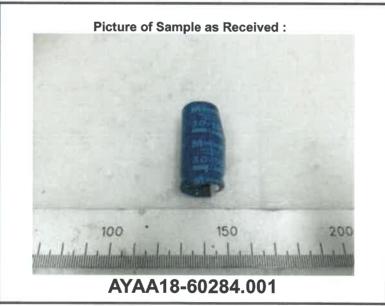
N.A. = Not applicable for respective material type.

The submitted sample was found to contain significant amount of specific element(s) of SVHC. Upon further test verification and also information provided from client, the possibility that the element(s) content originate from SVHC is very unlikely, even though their presence cannot be exclude entirely. It may be assumed that the detected element(s) have a non-SVHC source.

 *.The test result is based on the calculation of selected element(s) / marker(s) and to the worst-case scenario. For detail information, please refer to the SGS REACH website: <u>www.reach.sgs.com/substance-of-very-high-concern-analysis-information-page.htm</u>

The client is advised to review the chemical formulation to ascertain above metal substances present in the article. RL = 0.005% is evaluated for element (i.e. cobalt, arsenic, lead, sodium, chromium, chromium(VI), silicon, aluminum, zirconium, boron, and potassium respectively), except molybdenum RL=0.0005%

- 4. **. -TGIC is one of the isomers for TGIC compounds and hence, tested together. The reported test result is based the proposed ratio as according to ECHA dossier.
- 5. ***. The sample was diluted with solvent because of matrix effect, so there could be slight increase in MDL and it may have an effect on RL.



*** End of Report ***

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s).

F415 version 3

 SGS Korea Co
 Ltd
 322, The O valley, 76, LS-ro, Dongan-gu, Anyang-si, Gyeonggi-do, Korea 14117

 t +82 (0)31 4608 000 f +82 (0)31 4608 059 https://www.sgsgroup.kr



Issued Date: 2018. 11. 28

Page 1 of 19

NESSCAP CO.,LTD

17, Dongtangiheung-ro 681beon-gil, Giheung-gu Yongin-si, Gyeonggi-do Korea



The following sample(s) was/were submitted and identified by/on behalf of the client as:-

SGS File No.	: AYAA18-60285
Product Name	: Ultracapacitor
Item/Part Name	: BCAP0050 P300 X11
Client reference data	 BCAP0003 P300 X11, BCAP0005 P300 X11, BCAP0010 P300 X11, BCAP0025 P300 X11, BCAP0003 P300 X12, BCAP0010 P300 X12, BCAP0025 P300 X12
Received Date	: 2018. 11. 05
Test Period	: 2018. 11. 05 ~ 2018. 11. 28
Test Requested	: One hundred- Ninety one (191) substances in the Candidate List of Substances of Very High Concern (SVHC) for authorization published by European Chemicals Agency (ECHA) on June 27, 2018 regarding Regulation (EC) No 1907/2006 concerning the REACH.
	Six (6) substances in the Public Consultation List of potential Substances of Very High Concern (SVHC) published by European Chemicals Agency (ECHA) on September 4, 2018 regarding Regulation (EC) No 1907/2006 concerning the REACH
Report Comments	: By the applicant's request, item No.s/part No.s & client reference information are stated/added on report.
Test Method	: Please refer to next page(s).
Test Result(s)	: Please refer to next page(s).
Summary	: According to the ruling of the Court of Justice of the European Union on the definition of an article under REACH, and the specified scope and evaluation screening, the test results of SVHC are ≤ 0.1% (w/w) in the articles of the submitted sample.

SGS Korea Co., Ltd

Jeff Jang / Chemical Lab Mg

This document is sued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-conditions for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms-e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's indings at the time of its Intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document contained between transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unavital and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s).



322, The O valley, 76, LS-ro, Dongan-gu, Anyang-si, Gyeonggi-do, Korea 14117 t +82 (0)31 4608 000 f +82 (0)31 4608 059 http://www.sgsgroup.kr



Test Report No. F690101/LF-CTSAYAA18-60285

Remarks:

The chemical analysis of specified SVHC is performed by means of currently available analytical techniques 1. against the following SVHC related documents published by ECHA: http://echa.europa.eu/web/guest/candidate-list-table (Candidate list) These lists are under evaluation by ECHA and may subject to change in the future. http://echa.europa.eu/proposals-to-identify-substances-of-very-high-concern-previousconsultations?p p id=substancetypelist WAR substanceportlet&p p lifecycle=0&p p state=normal&p p mode =view&p p col id=column-1&p p col pos=2&p p col count=4& substancetypelis (Proposals to identify SVHC consulations)

Concerning article(s): 2.

> In accordance with Regulation (EC) No 1907/2006, any producer or importer of articles shall notify ECHA, in accordance with paragraph 2 of Article 7, if a substance meets the criteria in Article 57 and is identified in accordance with Article 59(1) of the Regulation, if (a) the substance is present in those articles in quantities totaling over one tonne per producer or importer per year; and (b) the substance is present in those articles above a concentration of 0.1 % weight by weight (w/w).

> Article 33 of Regulation (EC) No 1907/2006 requires supplier of an article containing a substance meeting the criteria in Article 57 and identified in accordance with Article 59(1) in a concentration above 0.1 % weight by weight (w/w) shall provide the recipient of the article with sufficient information, available to the supplier, to allow safe use of the article including, as a minimum, the name of that substance in the Candidate List,

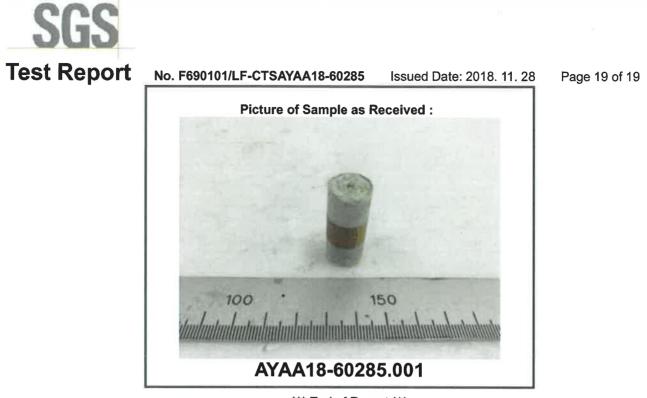
Concerning material(s):

Test results in this report are based on the tested sample. This report refers to testing result of tested sample submitted as homogenous material(s). In case such material is being used to compose an article, the results indicated in this report may not represent SVHC concentration in such article. If this report refers to testing result of composite material group by equal weight proportion, the material in each composite test group may come from more than one article.

If the sample is a substance or mixture, and it directly exports to EU, client has the obligation to comply with the supply chain communication obligation under Article 31 of Regulation (EC) No. 1907/2006 and the conditions of Authorization of substance of very high concern included in the Annex XIV of the Regulation (EC) No. 1907/2006.

4. If a SVHC is found over the reporting limit, client is suggested to identify the component which contains the SVHC and the exact concentration of the SVHC by requesting further quantitative analysis from the laboratory.

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sqs.com/en/Termsand-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <u>www.sqs.com/erms_e-document.htm</u>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s).



*** End of Report ***

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx, and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms-e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s).

F416 version 3

SGS Korea Co Ltd

322, The O valley, 76, LS-ro, Dongan-gu, Anyang-si, Gyeonggi-do, Korea 14117 t +82 (0)31 4608 000 f +82 (0)31 4608 059 <u>http://www.sgsgroup.kr</u>



Issued Date: 2018. 11. 21 Page 1 of 18

NESSCAP CO.,LTD

17, Dongtangiheung-ro 681beon-gil, Giheung-gu Yongin-si, Gyeonggi-do Korea



The following sample(s) was/were submitted and identified by/on behalf of the client as:-

SGS File No.	: AYAA18-60286
Product Name	: Ultracapacitor
Item/Part Name	: BCAP0050 P300 X11
Client reference data	BCAP0003 P300 X11, BCAP0005 P300 X11, BCAP0010 P300 X11, BCAP0025 P300 X11, BCAP0003 P300 X12, BCAP0010 P300 X12, BCAP0025 P300 X12
Received Date	: 2018. 11. 14
Test Period	: 2018. 11. 14 ~ 2018. 11. 21
Test Requested	: One hundred- Ninety one (191) substances in the Candidate List of Substances of Ven High Concern (SVHC) for authorization published by European Chemicals Agency (ECHA) on June 27, 2018 regarding Regulation (EC) No 1907/2006 concerning the REACH.
	Six (6) substances in the Public Consultation List of potential Substances of Very High Concern (SVHC) published by European Chemicals Agency (ECHA) on September 4 2018 regarding Regulation (EC) No 1907/2006 concerning the REACH
Report Comments	: By the applicant's request, item No.s/part No.s & client reference information are stated/added on report.
Test Method	: Please refer to next page(s).
Test Result(s)	: Please refer to next page(s).
Summary	 According to the specified scope and evaluation screening, the test results of SVHC are ≤ 0.1% (w/w) in the articles of the submitted sample.

SGS Korea Co., Ltd

Jeff

Jeff Jang / Chemical Lab Mgr

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/n/Terms-and-conditions for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms-e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the fine of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document is unawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s).



 SGS Korea Co
 Ltd
 322, The O valley, 76, LS-ro, Dongan-gu, Anyang-si, Gyeonggi-do, Korea 14117

 t +82 (0)31 4608 000 f +82 (0)31 4608 059 http://www.sgsgroup.kr



Test Method:

SGS In-House method - Analyzed by ICP-OES, PLM, UV/VIS, LC/MS ,GC/MS and colorimetric method

Remarks:

1. The chemical analysis of specified SVHC is performed by means of currently available analytical techniques against the following SVHC related documents published by ECHA: <u>http://echa.europa.eu/web/quest/candidate-list-table</u> (Candidate list) <u>http://echa.europa.eu/proposals-to-identify-substances-of-very-high-concern-previous-consultations?p p id=substancetypelist WAR substanceportlet&p p lifecycle=0&p p state=normal&p p mode =view&p p col id=column-1&p p col pos=2&p p col count=4& substancetypelis (Proposals to identify SVHC consulations)</u>

This list is under evaluation by ECHA and may subject to change in the future.

- 2. In accordance with Regulation (EC) No 1907/2006, any producer or importer of articles shall notify ECHA, in accordance with paragraph 2 of Article 7, if a substance meets the criteria in Article 57 and is identified in accordance with Article 59(1) of the Regulation, if (a) the substance is present in those articles in quantities totaling over one tonne per producer or importer per year; and (b) the substance is present in those articles above a concentration of 0.1 % weight by weight (w/w).
- 3. Article 33 of Regulation (EC) No 1907/2006 requires supplier of an article containing a substance meeting the criteria in Article 57 and identified in accordance with Article 59(1) in a concentration above 0.1 % weight by weight (w/w) shall provide the recipient of the article with sufficient information, available to the supplier, to allow safe use of the article including, as a minimum, the name of that substance in the Candidate List.
- 4. If a SVHC is found over the reporting limit, client is suggested to identify the component which contains the SVHC and the exact concentration of the SVHC by requesting further quantitative analysis from the laboratory.

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms-e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s).



Note:

- RL = Reporting Limit, 0.1% (w/w) = 1,000 ppm = 1,000 mg/kg 1.
- 2 N.D. = Not detected (lower than RL)

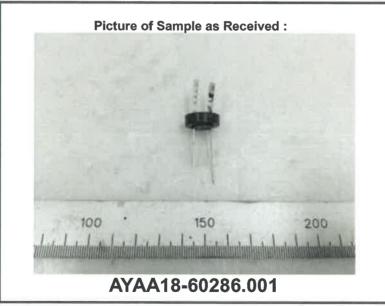
N.A. = Not applicable for respective material type.

The submitted sample was found to contain significant amount of specific element(s) of SVHC. Upon further test verification and also information provided from client, the possibility that the element(s) content originate from SVHC is very unlikely, even though their presence cannot be exclude entirely. It may be assumed that the detected element(s) have a non-SVHC source.

*. The test result is based on the calculation of selected element(s) / marker(s) and to the worst-case scenario. For 3 detail information, please refer to the SGS REACH website: www.reach.sgs.com/substance-of-very-high-concernanalysis-information-page.htm

The client is advised to review the chemical formulation to ascertain above metal substances present in the article. RL = 0.005% is evaluated for element (i.e. cobalt, arsenic, lead, sodium, chromium, chromium(VI), silicon, aluminum, zirconium, boron, and potassium respectively), except molybdenum RL=0.0005%

- **. -TGIC is one of the isomers for TGIC compounds and hence, tested together. The reported test result is based 4. the proposed ratio as according to ECHA dossier.
- ***. The sample was diluted with solvent because of matrix effect, so there could be slight increase in MDL and it 5. may have an effect on RL.



*** End of Report ***

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/en/Terms-and-Conditions for electronic format documents. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exconerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the company sole reproduced except in full, without prior written approval of the company sole reproduced except in full, without prior written approval of the company sole reproduced except in full, without prior written approval of the company sole reproduced except in full, without prior written approval of the company sole reproduced except in full, without prior written approval of the company sole reproduced except in full, without prior written approval of the company sole reproduced except in fully is to its for the company sole reproduced except in fully. Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s).

F415 version 3

322, The O valley, 76, LS-ro, Dongan-gu, Anyang-si, Gyeonggi-do, Korea 14117 t +82 (0)31 4608 000 f +82 (0)31 4608 059 <u>http://www.sasgroup.kr</u>