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COVER PAGE OF TECHNICAL DOCUMENT FOR BATTERY REGULATION (EU) 2023/1542

Battery model CR2032 (manufactured by Murata Manufacturing Co., Ltd.)

Classification of the documents ☒ Original ☐ Modification

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This technical document covers following requirement(s) and related standard(s), if any:

Article(s) to be declared for conformity	Reference of standards and amendments
Article 6	IEC 62474 Material Declaration for Products of and for the Electrotechnical Industry

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CANON INC.

TECHNICAL DOCUMENT for Battery Regulation (EU) 2023/1542

Manufacturer's name: Canon Inc. (Manufacturer of products incorporating batteries)

Battery model covered by Technical Document: CR2032 (manufactured by Murata Manufacturing Co., Ltd.)

Country where the manufacturer locates: Japan

1. General description of the battery model and its intended use

This battery model is Coin-type lithium manganese dioxide primary battery, Capacity 220mAh, Weight 3.1g.

Further information is available from the battery manufacture's website.

<https://www.murata.com/-/media/webrenewal/products/batteries/micro/cr/standard/ss-cr2032-2023-01.ashx?la=en-gb&cvid=20231214062646000000>

The intended use of the battery is to supply power and maintain data such as clock, etc.

2. General description about the compliance of the battery model to the requirement in Article 6: restriction of substances in the battery.

This battery model does not contain the substances listed in Article 6 and ANNEX I of the "REGULATION (EU) 2023/1542 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 12 July 2023 concerning batteries and waste batteries", exceeding applicable maximum concentration values tolerated by weight. These substances are lead, mercury, cadmium, and those restricted under ANNEX XVII of REACH Regulation (EC) No.1907/2006, as applicable.

The management of the above restricted substances specified in the Regulation is implemented as a part of Canon's management system for chemical substances included in Canon products, and the system includes following processes:

- Determining the information needed
- Collecting information
- Evaluation of information
- Review of the technical documentation

Currently, there are no harmonised standards to the Article 6, but our system is based on IEC 62474, "Material Declaration for Products of and for the Electrotechnical Industry".

3. General explanation of Canon Scheme for the compliance to the restriction of substances in the batteries.

I. Determining the information needed and collecting information.

Canon obtains the following information on materials in the batteries from suppliers whose reliability has been checked by Canon, with considering possibilities where the restricted substances specified might be contained in the batteries. The methods of checking the reliability of suppliers are described in the subsection II (3) below.

(1) Supplier declarations and/or contractual agreements

These correspond to “Master Purchase Agreement/Memorandum of Understanding” and/or suppliers’ “Confirmation of “The Green Procurement Standards” Revision” as Canon’s documentation. Canon establishes its “Green Procurement Standards” to indicate the criteria and specifications required for parts and materials purchased by Canon, and the Standards cover the substances restricted by the Battery and REACH Regulations. Canon clearly requires for suppliers to declare their compliance to the “Green Procurement Standards”, at the time of entering into purchase agreements or memorandum of understanding with the suppliers of parts and materials composing the products. In addition, Canon obtains the suppliers’ confirmation titled as “Confirmation of “The Green Procurement Standards” Revision” in which the supplier declares compliance to the latest version of the “Green Procurement Standards” at the time of revisions of the Standards.

Canon’s “Green Procurement Standards” can be obtained from:

<http://global.canon/en/procurement/green.html>

(2) Material Declarations

Canon obtains material declarations for materials and/or parts composing the products. The survey response tools for the material declarations are chemSHERPA¹, the scheme that facilitates sharing information on chemical substances in products, which is based on IEC 62474 “Material Declaration for products of and for the electrotechnical industry”.

II. Evaluation of information

Canon establishes internal procedures to check the quality and trustworthiness of material declarations obtained from suppliers and to ensure that the products meet the specified substance restrictions in accordance with the Canon common rules titled as “Detailed Rules for Managing Chemical Substances in Products” and carries out the evaluation according to the internal procedures.

(1) Clarification of the requirements

Canon sets “Prohibited substances” and their applicable range for Canon products in Canon Group’s internal standards titled as “Standards for Environmental Impact Substances in Products”, which are based on IEC 62474 covering the specified substance restrictions. At the same time, Canon indicates these management criteria to suppliers through the Green Procurement Standards.

(2) Master Purchase Agreement/Memorandum of Understanding

¹ <https://chemsherpa.net/chemSHERPA/english/>

Canon clearly requires suppliers' compliance to the "Green Procurement Standards" in the purchase agreements/memorandum of understanding with the suppliers.

(3) Management of purchased batteries.

Canon evaluates material declarations obtained from suppliers, and carries out the following assessments in order to ensure that the purchased batteries meet the specified substance restrictions:

- (a) Checking that the supplier of the purchased materials and/or parts has established a scheme for the management of chemical substances contained in the batteries and that such scheme is effectively carried out. (Environmental assessment of suppliers)
- (b) Checking that the material declarations provided by suppliers meet the specified substance restrictions, based on internal experts' evaluation of quality and trustworthiness of such declarations. (Assessment of purchased batteries)
- (c) Ensuring that the purchased batteries meet the specified substance restrictions by supplementing necessary information through quantitative analyses of such materials and/or parts, even if the information provided by the suppliers would be insufficient.

III. Review of the technical documentation

Canon reviews the technical documentation according to the following procedures:

(1) Review for changes of batteries.

When the batteries are changed for finished product already assured, because of changes of design or processes or according to the reports from suppliers after the previous assessment of the batteries, Canon obtains new information reflecting such changes and evaluates whether the specified substance restrictions are still met. The procedures for such re-evaluation are set in the Canon group's internal rules titled as "Detailed Rules for Managing Chemical Substances in Products", and Canon carries out the re-evaluation in accordance with these rules.

(2) Periodic reviews of the documents

Canon checks the following items at the time of periodical revisions of "The Green Procurement Standards" also as periodic reviews of obtained Master purchase agreements/memorandum of understanding and Material declarations. The procedures for such periodic reviews are set in the Canon group's internal guidelines titled as "Green Procurement Standards Operation Guidelines", and Canon carries out the periodic reviews in accordance with these guidelines.

< The items checked in the Confirmation of "The Green Procurement Standards" Revision >

- To comply with the latest version of the "Green Procurement Standards"
- To inform Canon as soon as possible if the batteries which are delivered to Canon contain restricted substances newly added in the revision, and to report the details thereof no later than the date of enforcement of the revised Standards.