

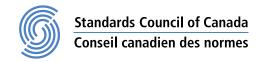


ANSI/CAN/UL 8139:2020 JOINT CANADA-UNITED STATES NATIONAL STANDARD

STANDARD FOR SAFETY

Electrical Systems of Electronic Cigarettes and Vaping Devices





National Standard of Canada

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UL Standard for Safety for Electrical Systems of Electronic Cigarettes and Vaping Devices, ANSI/CAN/UL 8139

First Edition, Dated April 27, 2018

Summary of Topics

The revision of ANSI/CAN/UL 8139 dated July 6, 2020 includes the following changes:

- Clarification to Section 7.2, Exception applies to Flammability and Mechanical RTI; <u>7.2</u>, 28.2, 29.4, and 30.2
- Clarification to 8.2, Electrochemical Corrosion; 8.2, 8.2A
- Add Exception to 9.2 to address inadvertent shorting
- Clarification to Section 10.4 to indicate a charging interface needs to be tested
- Clarifications to Table 17.1; 17.1, Section 31A
- Correction of temperature in Section 22.4
- Section 29.6, Clarifying the determination of voltage difference for the drop test
- Section 17.4, Removal of potentiometers from temperature measuring
- Addition of an alternative specification for cheesecloth; 17.10
- Allowing more appropriate discharge test parameters for greater relevance to device parameters; <u>20.3</u>
- Clarification that single fault conditions do not apply to overload test; 25.3
- Clarifications to Table 26.2
- Clarification to Section 26, Temperature Testing; 26.1, 26.2, 26.4, 26.6
- Correction to venting test procedures; 31.1
- Addition of performance-based marking durability test; 33.1, 33.1A
- Clarification to markings and warnings; 33.7
- Imbalanced charging clarifications; 22.2

Text that has been changed in any manner or impacted by UL's electronic publishing system is marked with a vertical line in the margin.

The new and revised requirements are substantially in accordance with Proposal(s) on this subject dated October 25, 2019 and March 13, 2020.

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ANSI/CAN/UL 8139:2020

Standard for Electrical Systems of Electronic Cigarettes and Vaping Devices

First Edition

April 27, 2018

This ANSI/CAN/UL Safety Standard consists of the First Edition including revisions through July 6, 2020.

The most recent designation of ANSI/UL 8139 as an American National Standard (ANSI) occurred on July 6, 2020. ANSI approval for a standard does not include the Cover Page, Transmittal Pages, Title Page, Preface or SCC Foreword.

This standard has been designated as a National Standard of Canada (NSC) on July 6, 2020.

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