

STANDARD INFORMATION

This SUN establishes the Continuing Certification approach for automatic and semi-automatic equipment for analysis and other purposes

Standard Number: CSA C22.2 No. 61010-2-081

Standard Name: Safety Requirements for Electrical Equipment for Measurement, Control and Laboratory Use — Part 2-081: Particular Requirements for Automatic and Semi-Automatic Laboratory Equipment for Analysis and Other Purposes

Standard Edition and Issue Date: 2nd Edition Dated November 1, 2015

Date of Revision: November 1, 2015

Date of Previous Revision of Standard: 1st Edition Reaffirmed 2014

EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

Effective Date: **No action is required for currently certified products to maintain certification.**

This SUN is being presented to assist users of the standard to appreciate the significance of the changes made to the standard that will apply should the product described be modified after January 1, 2019.

IMPACT, OVERVIEW, AND ACTION REQUIRED

Impact Statement: A review of all Listing Reports is necessary to determine which products comply with new/revise requirements and which products will require re-evaluation. **NOTE:** Effective immediately, this revised standard will be exclusively used for evaluation of new products unless the Applicant requests in writing that current requirements be used along with their understanding that their listings will be withdrawn on Effective Date noted above, unless the product is found to comply with new/revise requirements.

Overview of Changes:

- Added biological risks symbol to Table 1
- New requirement for markings
- New requirements for biohazardous substances

Specific details of new/revise requirements are found in table below

Current Listings Not Active? – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records. We will do this at no charge as long as Intertek is notified in writing prior to the review of your reports.



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CLAUSE	VERDICT	COMMENT
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Additions to existing requirements are underlined and deletions are shown lined out below.



5	Info	Marking and documentation
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Additions:

Add the following symbol to Table 1:

Symbols

Table 1

Number	Symbol	Publication	Description
404		ISO 7000—0659	Biohazard
<u>101</u>		<u>ISO 7000-0659</u> (2004-01)	<u>Biological risks</u>

Gas and liquid connections

If necessary for safety, the equipment shall be clearly marked near to the connector on the equipment with

- 5.15.101
- a) a means of identifying the gas or liquid to be used. Where no internationally recognized symbol (including chemical formulae) exists, the equipment shall be marked with symbol 14 of Table 1;
 - b) the maximum permitted pressure, or alternatively symbol 14 of Table 1 (see 5.4.3);
 - c) flow direction of the gas and liquid, if applicable.

Conformity is checked by inspection.



CLAUSE	VERDICT	COMMENT
5.4.4		<p><i>New clause added;</i></p> <p>Equipment operation</p> <p>Replacement:</p> <p>Replace the text in item h) by the following item h) and note:</p> <p>h) a statement listing any potentially poisonous or injurious gases or substances that can be liberated from the equipment, and possible quantities;</p> <p>NOTE Manufacturers can find valuable details in the internationally recognized Laboratory Biosafety Manual, published by the World Health Organization. This gives information on decontaminants, their use, dilutions and potential applications. There are also national guidelines that cover these areas.</p>
13	Info	<p>Protection against liberated gases and substances, explosion and implosion</p> <p><i>New clause added;</i></p> <p>Biohazardous substances</p> <p>Equipment that can be potentially biohazardous due to the use of biohazardous substances shall be prominently marked with symbol 101 of Table 1, or the appropriate international symbol, or (if none is available) symbol 14 of Table 1.</p> <p>13.101 At minimum, a biohazard symbol shall be near the sampling area and visible in NORMAL USE.</p> <p>Biohazard symbols shall be near biohazardous areas accessed during OPERATOR maintenance visible only during this maintenance.</p> <p>Any part of the equipment that contains biohazardous waste material which can be removed from the equipment during NORMAL USE or a biohazardous drain connection shall be marked with an appropriate biohazard symbol.</p>
<p>CUSTOMERS PLEASE NOTE: This Table and column “Verdict” can be used in determining how your current or future production is or will be in compliance with new/revised requirements.</p>		