

STANDARD INFORMATION

If your product is certified to UL 61010-1 / CSA C22.2 No. 61010-1 and is used for plant oil extraction (see table below for scope), then it needs to be recertified to ANSI/CAN/UL/ULC 1389.

Partial Withdrawn Standard:

Electrical Equipment for Measurement, Control, and Laboratory Use; Part 1: General Requirements [UL 61010-1]

Electrical Equipment for Measurement, Control, and Laboratory Use Part 1: General Requirements [CSA C22.2#61010-1]

Replacement Standard: Plant Oil Extraction Equipment for Installation and Use in Ordinary (Unclassified) Locations and Hazardous (Classified) Locations [ANSI/CAN/UL/ULC 1389:2019 Ed.1+R:13Oct2020]

EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

Effective Date: June 1, 2023

IMPACT, OVERVIEW, AND ACTION REQUIRED

Impact Statement: ANSI/CAN/UL/ULC 1389 has been recently issued and covers plant oil extraction equipment. All products currently certified to UL 61010-1 / CSA C22.2 No. 61010-1 and falls in the scope of ANSI/CAN/UL/ULC 1389 need to be evaluated and certified to ANSI/CAN/UL/ULC 1389 prior to the effective date. Below is the scope of ANSI/CAN/UL/ULC 1389 to help determine applicable products. Due to the changes between standards, a full evaluation to ANSI/CAN/UL/ULC 1389 is required.

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 – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records.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
1	Info	Scope This Standard covers commercial and industrial plant oil extraction equipment for installation and use indoors in ordinary (unclassified) locations and hazardous (classified) locations. Based on the application, installation is in accordance with the manufacturer's installation instructions, together with the following, as applicable:
1.1	Info	a) CSA C22.1, Canadian Electrical Code, Part 1 (CE Code); ULC-S4400, Premises, Buildings and Equipment Utilized for the Cultivation, Processing and Production of Cannabis; National Fire Code of Canada (NFC); and CSA B149.1, Natural Gas and Propane Installation Code; and b) NFPA 70, National Electrical Code (NEC), International Fire Code (IFC), NFPA 1, Fire Code, NFPA 55 Compressed Gases and Cryogenic Fluids Code, and NFPA 58, Liquefied Petroleum Gas Code.
		Plant oil extraction equipment includes:
1.2	Info	a) Preparatory equipment, for preparing the plant material for extraction of the oil, such as trimming, deseeding, and drying/curing; b) Extractors, for removing the oil from the plant material by the use of i butane, ethanol, n-hexane, liquefied petroleum gas (LPG), pentane or propane (flammable solvents) and Carbon Dioxide (CO ₂) (non-flammable solvent); c) Extraction booths or pods, for enclosing/protecting plant oil extraction equipment; and d) Post-processing equipment, for finalizing the plant oil extraction process such as vacuum ovens, rotary evaporators, and solvent recovery pumps.
1.3	Info	This equipment, along with systems involving any combination of this equipment, is used for extracting oils from plants as instructed by the manufacturer.
1.4	Info	The requirements in this standard do not cover the physiological or other attributes or effects that may result from the use of this equipment.
	Info	This standard does not apply to equipment involving the following risks of ignition:
1.5		a) Exothermic reactions, including self-ignition of dusts. b) Mechanically generated sparks (generated intentionally). c) Flames and hot gases (including hot particles).
1.6	Info	This standard does not apply to mechanical means of extraction of plant oils that do not use solvents.



CLAUSE	VERDICT	COMMENT
1.7	Info	This standard does cover the connection to external solvent containers or external solvent sources to the plant oil extraction equipment. Note: Equipment is a general term including apparatus, fittings, devices, components, and the like used as a part of, or in connection with, an installation.
1.8	Info	This standard does not cover the extraction or processing of cannabis oil in dwelling units or in basements.