



Descriptive Report

MASTER CONTRACT: 304167

REPORT: 80178889

PROJECT: 80178889

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PRODUCTS

CLASS - C685301 - LOW LEAD CONTENT CERTIFICATION PROGRAM PLUMBING PRODUCTS

Product Names and Models:

UV Water Purifier:

SAG-048, SDE-025, SDE-025FS, SDE-055, SDE-055FS, SDS-110, SDS-220, SSE-012, SSE-012FS, SSE-016, SSE-016FS, AGLED-40002.

Note: Products shall be installed in Accordance with the Local Code of the Authority having Jurisdiction.

APPLICABLE REQUIREMENTS

NSF/ANSI/CAN 372-2022

Drinking water system components - Lead Content

Note: Products certified to NSF/ANSI/CAN 372 conform to the requirements for "lead free" plumbing products as defined by California, Vermont, Maryland and Louisiana state law and by Section 1417 of the US Safe Drinking Water Act.

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MARKINGS

The manufacturer is required to apply the following markings:

- Products shall be marked with the markings specified by the particular product standard.
- Products certified for Canada shall have all Caution and Warning markings in both English and French.

Additional bilingual markings not covered by the product standard(s) may be required by the Authorities Having Jurisdiction. It is the responsibility of the manufacturer to provide and apply these additional markings, where applicable, in accordance with the requirements of those authorities.

The products listed are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US (indicating that products have been manufactured to the requirements of both Canadian and U.S. Standards) or with adjacent indicator 'US' for US only or without either indicator for Canada only.

- Manufacturer's identification;
- CSA Mark with "C", "US" indicator;
- Qualifiers "NSF/ANSI 372" or "NSF/ANSI/CAN 372" or "LLC" or "LOW LEAD CONTENT" below or adjacent the CSA Mark*;
- Product identification (if applicable).

*The word "ONLY" shall be adjacent to the qualifier if the product is being certified only for lead content and bears no other certification.

Products shall be installed in Accordance with the Local Code of the Authority having Jurisdiction.

Note: For Submersible Pumps not readily accessible after installation the language "Devices or components shall be labeled in a manner to ensure that all markings area visible after installation" can be omitted from the marking requirements.

ALTERATIONS

Markings shall be in accordance with the above clause.

FACTORY TESTS

No factory test required.

SPECIAL INSTRUCTIONS FOR FIELD SERVICES

1. Component descriptions marked with either the "(INT)" or "(INT*)" identifiers may be substituted with other components providing the requirements specified under the notes in the "Description" are complied with.
2. Please refer to QD-1201-DB-INSP for Conformity testing requirements.

COMPONENT SPECIAL PICKUP

1. Component descriptions marked with the identifier "(CT)" are subject to annual pickup and Conformity Testing.
2. None required.

DESCRIPTION

Notes:

1. Component Substitution
 - a) Critical components (those identified by mfr name, cat no), which are NOT identified with either "INT" or "INT*" are not eligible for substitution without evaluation and report updating
 - b) The term "INT" means a "Certified" and/or "Listed" (or a "Recognized" and/or "Accepted") component may be replaced by one "Certified" and/or "Listed" by another certification organization accredited by the appropriate accreditation body or scheme requirements to the correct standard, for the same application; providing the applicable country identifiers are included and requirements in item "d" below are complied with.
 - c) The Term "(INT*)" means a "Recognized" and/or "Accepted" component may be replaced by a component that is CSA Certified. The applicable country identifiers shall be included, the requirements in item "d" below as well as any "conditions of suitability" for the component (as recorded in this descriptive report) shall be complied with;
 - d) Components which have been substituted, must be of an equivalent rating, configuration (size, orientation, mounting) and the applicable minimum creepage and clearance distances are to be maintained from live parts to bonded metal parts and secondary parts.
 - e) Substitution of a "Certified" and/or "Listed" component with a component that is "Recognized" or "Accepted" is not permitted without evaluation and report updating.
 - f) Substitution of a "Recognized" and/or "Accepted" component by one that is not CSA Certified is not permitted without a proper evaluation as well as a report update because the Conditions of Acceptance of the original component may be different than the Conditions of Acceptance of the substitute component.

The following attachment Att1 - Authorized Wetted Material Lists contains detailed description of the certified products. This report and certification only applied to the products evaluated. No change in the material formulation and manufacturing process is permitted. The substitutions must be authorized by CSA Group, in writing, for the terms of the certification to extend to such changes.

Model	Description	Att1-Authorized Material Lists	Att2-Drawings
SAG-048	UV Water Purifier	Page 1	Page 1
SDE-025	UV Water Purifier	Page 2	Page 2
SDE-025FS	UV Water Purifier	Page 3	Page 3
SDE-055	UV Water Purifier	Page 4	Page 4
SDE-055FS	UV Water Purifier	Page 5	Page 5
SDS-110	UV Water Purifier	Page 6	Page 6
SDS-220	UV Water Purifier	Page 7	Page 7
SSE-012	UV Water Purifier	Page 8	Page 8
SSE-012FS	UV Water Purifier	Page 9	Page 9
SSE-016	UV Water Purifier	Page 10	Page 10
SSE-016FS	UV Water Purifier	Page 11	Page 11
AGLED-40002	UV Water Purifier	Page 12	Page 12

TEST HISTORY

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CSA Group has evaluated a series of UV Water Purifiers as per to Low Lead Content requirements of NSF/ANSI/CAN 372-2022. All models of these products contain same materials. Testing of wetted materials were performed and were found to have lead contents 0.02% in manufacturer specified Reactor chamber SUS304 and <0.01% in manufacturer specified Quartz Tube Quartz. The weighted average lead content was less than 0.25%. The evaluated models were found to comply with the requirements of NSF/ANSI/CAN 372-2022. The actual test data and calculated form were also maintained in CSA Guangzhou facility under the Share point project No. 80178889. Initial Factory Evaluation report can be found in project 80178890.

The products were evaluated and the sample was collected by CSA Guangzhou Lab located at No. 10 Keyan Road, Science Park, Guangzhou, China and the lead content was analyzed by CSA listed subcontractor Guangzhou Customs District Technology Center located at Tower B, No.66 Huacheng Avenue, Zhujiang Xincheng, Guangzhou, Guangdong, China.

Construction Review:

Construction review not applicable. Only lead content was evaluated.

---End of Report---