IAPMO RESEARCH AND TESTING, INC.

A non-profit corporation

5001 East Philadelphia Street, Ontario, California 91761-2816
909.472.4100 | 909.472.4250

This is to certify that

CRT Laboratories, Inc. (California Resin Testing) (Lab #0000037)

1680 N Main Street
Orange, CA 92867 USA

is recognized by IAPMO Research and Testing, Inc. as an independent Testing Laboratory. IAPMO Research and Testing, Inc. agrees to accept reports prepared by the Laboratory in accordance with the policies and procedures agreed to by the laboratory in the Laboratory Recognition Agreement. The Laboratory has satisfactorily demonstrated its compliance to ISO/IEC 17025:2017 as referenced in clause 6.2 of ISO/IEC 17065:2012, and has been verified as capable of performing tests in the following categories:

Backflow Preventers | Cements, Solders & Joint Compounds | Electrical | Mfd. Housing/ R.V. Components | Metal Fixtures | Metal Pipe / Fittings | Pipe Wrap Tape/ Coatings | Plastic Cell Class Testing | Plastic Fixtures | Plastic Pipe/ Fittings | Pool/Spa Components / Fittings| Septic Systems | Shower Pan Liners | Valves/Faucets | Water Closets

IAPMO Research and Testing, Inc. will accept from the Laboratory only reports of testing conducted under the direct control and supervision of employees of the Laboratory.

This Laboratory Listing is valid beginning **3/31/2025** and expires after **3/31/2026**.
This listing is subject to the conditions set forth by IAPMO Research and Testing, Inc.
Any alteration of falsification of this certification may constitute grounds for delisting of the Laboratory.
Reproduction of this certification, in whole or in part, for advertising purposes without the expressed written permission of IAPMO Research and Testing, Inc. is strictly prohibited.

Jin Luo
Executive Vice President of
Laboratory Recognition

IAPMO RESEARCH AND TESTING, INC. NON-PROFIT OCTOBER 25 1994 CORPORATION CALIFORNIA

IAPMO RESEARCH AND TESTING, INC.

Laboratory Listing

APPENDIX "A"

CRT Laboratories, Inc. (California Resin Testing) (Lab #0000037)

1680 N Main Street
Orange, CA 92867 USA

Valid Beginning: 3/31/2025 Void After: 3/31/2026

ANSI:
ANSI A108, A118 & A136-2020
ANSI/CAN/IAPMO Z1001-2021

ASME:
ASME A112.3.4-2018/CSA B45.13-2018
ASME A112.6.3-2022/CSA B79.3-22 (Except 4.5 Finish)
ASME A112.6.4-2022/CSA B79.4-22
ASME A112.6.7-2022
ASME A112.14.1-2003 (R2008)
ASME A112.18.1-2024/CSA B125.1-24 (except sections: 4.9, 4.13, 4.20 and 5.2)
ASME A112.18.2-2020/CSA B125.2-20 (except sections: 5.2 & 5.4)
ASME A112.18.6-2017 (Except Toxicity)

ASSE:
ASSE 1014-2020
ASSE 1016-2011/ASME A112.1016-2011/CSA B125.16-11 (Except sections 4.6,4.7, 4.8 and 4.9)
ASSE 1061-2020 (Except section: 4.1.1, 4.1.2 and 4.1.3)
ASSE 1072-2020 (Except 4.1 and Ozone resistance part of 3.9)

ASTM:
ASTM B32-2008 (sections 8.1, 8.1.1, 8.1.2,8.2, 8.2.1, 8.2.2,13.1, 13.1.1, 13.1.2, 13.1.3, 13.3.1, 13.3.2, 13.3.3, 13.3.4, 13.3.5)
ASTM B813-2016
ASTM C564-2020 (except 9.7)
ASTM C1053-2000 (R2010)
ASTM C1173-2022 (except section 10.1.4)
ASTM C1460-2017
ASTM D1527-1999 (R2005)
ASTM D1784-2020
ASTM D1785-2015e1
ASTM D2000-18
ASTM D2846-2009be1
ASTM D2104-2003
ASTM D2235-2004 (R2011)
ASTM D2239-2012

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ASTM D2241-2009
ASTM D2466-2006
ASTM D2467-2015
ASTM D2468-1996a
ASTM D2513-2012ae1
ASTM D2564-2012
ASTM D2661-14(CSA, CAN/CSA-B181.1-M90)
ASTM D2665-2020(CSA, CAN/CSA-B181.2-11)
ASTM D2672-1996a (R2009)
ASTM D2680-2001 (R2009)
ASTM D2729-2011
ASTM D2737-2003
ASTM D2751-2005
ASTM D2855-1996 (R2010)
ASTM D3034-2008(CSA, CAN/CSA-B182.2-M90)
ASTM D3122-1995 (R2009)
ASTM D3212-2007
ASTM D3311-2017
ASTM D3350-2014
ASTM D3965-2011
ASTM D4068-2009 (except 14.4)
ASTM D4101-2014 (except section 13.1.7)
ASTM D5630-2013

ASTM F405-2005
ASTM F409-2022
ASTM F437-2009
ASTM F438-2009
ASTM F439-2009
ASTM F441-2009
ASTM F442-2012
ASTM F628-2012e1 (Section 6.4.4 only)
ASTM F656-2010
ASTM F667-2012
ASTM F794-2003 (R2009)
ASTM F810-2012
ASTM F876-2010e1
ASTM F877-2020
ASTM F891-2010
ASTM F949-2010
ASTM F1216-2016
ASTM F1412-2016
ASTM F1673-2010
ASTM F1743-2017
ASTM F1807-2018 (except 5)
ASTM F1924-2012
ASTM F1948-2015
ASTM F1960-2018a
ASTM F2158-2008
ASTM F2306-2014e1 (except section 7.8)
ASTM F2389-2019

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AWWA:
AWWA C210-2007
AWWA C213-2015
AWWA C900-1997 (pipe sizes through 8")

CSA:
CSA B45.12-2013/IAPMO Z402-2013
CSA B45.5-17/ANSI Z124-2017(except 5.10 and 5.12)
CSA B66-2021
CSA B1800:21 (Including CSA B181.1:21, CSA B181.2:21, and CSA B181.3:21)
CSA B272-1993 (R2008)
CSA CAN/CSA B70-M91

IAPMO:
IAPMO/ANSI Z124.5-2013
IAPMO/ANSI Z124.8-2013 (except 5.4,5.6, 5.7)
IAPMO IGC 120-2019 (Except Section 4.2)
IAPMO IGC 189-2019e1 (Except section 4.1)
IAPMO IGC 219-2019 (Except Section 5.1)
IAPMO IGC 224-2018
IAPMO IGC 262-2020 (Except Section 4.4)
IAPMO IGC 276-2019 (Except section 5.1)
IAPMO PS 37-1990 (except dielectric breakdown, High Humidity Insulation Resistance)
IAPMO PS 42-2013
IAPMO PS 51-2013
IAPMO PS 52-2019
IAPMO PS 54-2015 (Except Section 7.4)
IAPMO PS 63-2019
IAPMO PS 64 -2012ae1 (except 4.1.1 and 6.4)
IAPMO PS 90-2012e1 (except 4.1.2)
IAPMO PS 94-2012
IAPMO PS 95-2001
IAPMO PS 106-2015e1
IAPMO PS 120-2019 with exception to chem analysis in section 4.1 (capable metal analysis portion)
IAPMO Z1000-2019
IAPMO Z1002-2020 Section 7
IAPMO Z1033-2013

NSF:
NSF 14-2016a

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UL:

UL 651-1995