



Directory of Recognized Laboratories

January 23, 2019

AQUADIAGNOSTICS WATER RESEARCH & TECHNOLOGY CENTER LIMITED

NO. 43, PMR TOWER, 3RD FLOOR / ABOVE SBI / BERETENA, AGRAHARA
BANGALORE, KARNATAKA, 560100
INDIA
Contact: DR. S MURALIDHARA

Phone: 91 080 9980016429
Fax: 91 080 25743181

Lab#: 0000104
Expires: 1/31/2020
Number of Employees: 8

Tests to Standards:

WATER FILTERS/ CONDITIONERS:

NSF/ ANSI 42-2017 (Sections: 7.2.1, 7.3.2 and 7.3.3), WQA S-200-2012, NSF/ ANSI 53-2017 (Sections: 7.2.1, 7.2.4, 7.3.2.2, 7.3.3.1, 7.4.1.1, 7.4.1.2, 7.4.3.1, 7.4.4.1), NSF/ ANSI 58-2017 (Sections: 6.9, 7.1.2 and 7.1.3, 7.2.2), WQA S-300-2000, NSF/ ANSI 55-2017, NSF Protocol P231-2014

BEIJING BUILDING MATERIAL TESTING ACADEMY CO LTD

NO. 17 YAXIN ROAD / FANGSHAN DISTRICT

BEIJING,

CHINA

Contact: YU ZULONG

Phone: +86-13811784657

Fax: +86-10-88751941

Lab#: 0000097

Expires: 1/31/2019

Number of Employees: 45

Tests to Standards:

BALLCOCKS/ FLUSHOMETERS:

ASSE 1002-2015/ ASME A112.1002-2015/ CSA B125.12-15, CSA B125.3-11, ASSE 1037-2015/ ASME A112.1037-2015/ CSA B125.37-2015, ASME A112.19.5-2017/ CSA B45.15-2017, IAPMO PS 50-2010

NON METALLIC PIPE FITTINGS:

ASME A112.18.6-2017/ CSA B125.6-17

PLASTIC PIPE/ FITTINGS:

ASME A112.18.2-2015/ CSA B125.2-15, ASTM F876-2015a, ASTM F877-11a

VALVES/ FAUCETS:

ASME A112.18.1-2012/ CSA B125.1-12 (except toxicity), ASME A112.18.2-2015/ CSA B125.2-15, ASSE 1016-2017/ASME A112.1016-2017/CSA B125.16-17, ASSE 1070-2004, IAPMO Z1157-2014e1, ASME A112.14.1-2003 (R08), NSF 372-2011, AB 1953, EPA WaterSense High-Efficiency Lavatory Faucet Specification, Version 1.2 Dated 2007-10-01, EPA WaterSense Specification for Showerheads, Version 1.2 Dated 2010-03-04, ASSE 1061-2015

VITREOUS CHINA FIXTURES:

ASME A112.19.2-2013 /CSA B45.1-13, ASME A112.19.19-2016 (except section 6.5 Ammonia), EPA WaterSense High Efficiency Flushing Urinal Specification, Version 1.2 Dated 2009-08-14, EPA WaterSense Specification for Tank-Type Toilets, Version 1.1 Dated 2011-05-20

WATER CLOSETS:

ASME A112.19.14-2013, ASME A112.19.2-2013/ CSA B45.1-13

BUILDING TECHNOLOGY RESEARCH LAB CENTER FOR ENVIRONMENTAL SYSTEMS/ STEVENS

1 CASTLE POINT TERRACE
HOBOKEN, NJ 07030
UNITED STATES
Contact: TSAN-LIANG SU

Phone: 201 216-5697
Fax: 201 216-8303

Lab#: 0000030
Expires: 3/31/2019
Number of Employees: 12

Tests to Standards:

APPLIANCES:

IAPMO Z1088-2013, ASME A112.4.1-2009, CSA B45.13-14/ IAPMO Z1700-2014 (Witness Test Only)

BACKFLOW PREVENTERS:

ASME A112.18.3-2002(R2012), ASSE 1013-2011(CSA,CAN/CSA-B64.4-2011), ASSE 1012-2009, 1015-2011, 1022-2003, 1024-2004, 1032-2004(R2011), 1047-2011, 1048-2011, 1052-2004(CSA, CAN/CSA-B64 SERIES-2011, B64 SERIES-2011, B64 SERIES-2011), ASSE 1055-2009, ASSE 1079-2012, IAPMO IGC 163-2001r1, CSA B64 Series-2011

BALLCOCKS\FLUSHMETERS:

ASSE 1002-2008, ASSE 1037-2015/ ASME A112.1037-2015/ CSA B125.37-2015, ASME A112.19.5-2017/ CSA B45.15-17, CSA B64.3-2011, ASME A112.19.10-2003(R2008), IAPMO PS 50-2010

LOW LEAD:

AB 1953, NSF 372-2011

METAL FIXTURES:

ASME A112.19.3-2008 (CSA, B45.4-2008), ASSE 1014-2005, IAPMO PS 67-2010, ANSI Z358.1-2009

METAL PIPE/FITTINGS:

ASME A112.1.2-2012, ASME A112.3.1-2007, ASME A112.6.3-2001(R2007),ASME A112.18.2-2015/CSA B125.2-2015), ASME A112.18.6-2017, ASME A112.36.2-1991(R2012), ASME B 16.23-2011(CSA, B158.1-1976), ASME B 16.29-2001, ASSE 1018-2001, ASTM C 564-2012, IAPMO PS 72-2007e1, IAPMO IGC 128-2012, ASTM C1277-2012, IAPMO PS 76-2012a, IAPMO PS 79-2005

MFG'D HOUSING/RV COMPONENTS:

TS 8-2009

NON-METALIC PIPE/FITTINGS:

IAPMO PS 69-2006, IAPMO/ ANSI Z1033-2013 (except 4.2.1)

PLASTIC FIXTURES:

CSA B45.5-17/ IAPMO Z124-2017, IAPMO/ANSI Z124.5-2013, IAPMO/ANSI Z124.7-2013, IAPMO IGC 172-2008

PLASTIC PIPE/FITTINGS:

ASTM D2665-2012 (except Sections 5, 6.3 and 6.5), ASTM D3311-2011, ASTM F409-2012 (except Section 5),IAPMO SPS 5-2006, ASSE 1063-2008

VACUUM BREAKERS:

ASME A112.18.3-2002(R2012), ASSE 1001-2008(CSA, CAN/CSA-B64 SERIES-2011;B64 SERIES-2011), ASSE 1003-2009(CSA, B356-2010), ASSE 1011-2004e1(CSA, CAN/CSA-B64 SERIES-2011, B64 SERIES-2011, B64 SERIES-2011), ASSE 1019-2011, ASSE 1020-2004 (CSA, B45.2-2008), ASSE 1056-2001, ASSE 1035-2008e1 (CSA,CAN/CSA-B64.7-2011), IAPMO Z1033-2013, CSA B64 Series-2011, ASSE 1053-2004, ASME A112.1.3-2000(R2010)

VALVES/FAUCETS:

ASME A112.18.1-2012/CSA B125.1-2012, CSA B125.3-2012 (Except Section 5.2 Coating), ASME A112.18.6-2017, ASSE 1016-2011/ ASME A112.1016-2011/CSA B125.16-11, ASSE 1017-2009, ASME A112.18.1-2012 (CSA,CAN/CSA-B64 SERIES-2011), ASSE 1062-2006, ASSE 1066-1997, ASSE 1069-2005, ASSE 1070-2004, ASSE 1071-2012, IAPMO IGC 128-2008, IAPMO IGC 157-2013, IAPMO IGC 168-2012, AB 1953, IGC 241-2011a, ASSE 1044-2001, ASSE 1057-2012, EPA WaterSense High-Efficiency Lavatory Faucet Specification, Version 1.2 Dated 2007-10-01

VITREOUS CHINA FIXTURES:

ASME A112.19.2-2013/CSA B45.1-13

WATER CLOSET:

ASME A112.19.2-2013/CSA B45.1-13, ASME A112.19.14-2013, LADWP SPS, EPA WaterSense Specification for Tank-Type Toilets, Version 1.1 Dated 2011-05-20

CENTER FOR IRRIGATION TECHNOLOGY
CSUF, M/S OF 18 / 5370 N. CHESTNUT AVENUE
FRESNO, CA 93740-8021
UNITED STATES
Contact: KAOMINE VANG

Phone: (559) 278-2066
Fax: (559) 278-6033

Lab#: 0000046
Expires: 1/30/2019
Number of Employees: 7

Tests to Standards:

IRRIGATION CONTROLLERS:
EPA WaterSense Specification for Weather-Based Irrigation Controllers, Version 1.2 Dated 2011-11-03

CHINA BUILDING MATERIAL TEST & CERTIFICATION GROUP (SHAANXI) CO., LTD.

CERTIFICATION TOWER, NORTH OF / HONGGUANG ROAD, WANGSI STREET
FENG DONG NEW TOWN,
CHINA

Phone: 86-029-33575697
Fax: 86-029-33575203

Lab#: 0000083
Expires: 1/31/2019
Number of Employees: 16

Tests to Standards:

BALLCOCKS/FLUSHMETERS:

ASSE 1002-2015/ASME A112.1002-2015/ CSA B125.12-15, CSA B125.3-2012 (fill valves and flush valves only), ATS 5200.016, ATS 5200.017

METAL FIXTURES:

ASME A112.19.1-2013/ CSA B45.2-2013 (except section 4.7.4)

NONMETALLIC PIPE/FITTINGS:

ASME A112.18.6-2009/ CSA B125.6-09

PLASTIC FIXTURES:

IAPMO/ANSI Z124.5-2013

VALVES/FAUCETS:

ASSE 1014-2005, ASME A112.18.1-2012/CSA B 125.1-12 (Except Toxicity and Section 5.12), AB 1953

VITREOUS CHINA FIXTURES:

ASME A112.19.2-2013/CSA B45.1-13, A112.19.5-2017/ CSA B45.15-17, ASME A112.19.14-2013, IAPMO PS 50-2010, EPA WaterSense Specification for Tank-Type Toilets, Version 1.1 Dated 2011-05-20, IAPMO IGC 247-2007, ASME A112.18.2-2015/ CSA B 125.2-15, AS 1076, EPA WaterSense High Efficiency Flushing Urinal Specification, Version 1.2 Dated 2009-08-14

WATER CLOSETS:

ASME A112.6.2,-2000 (R2010) LADWP-2005, AS 1172.1, AS 1172.2, ASME A112.19.2-2013/CSA B45.1-13

CRT LABORATORIES (CALIFORNIA RESIN TESTING)

1680 N MAIN STREET
ORANGE, CA 92867
UNITED STATES
Contact: KEN LE JUENE

Phone: 714 283-2032
Fax: 714 283-1365

Lab#: 0000037
Expires: 3/31/2019
Number of Employees: 4

Tests to Standards:

BACKFLOW PREVENTERS
ASME A112.14.1-2003 (R08)

CEMENTS/SOLDER/JOINT COMPOUNDS:

ASTM B 32-2008(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), B813-2016, D2235-2004(R2011), D2564-2012, D2672-1996a (R2009), D2855-96 (R2010), D3122-1995 (R2009), D3212-2007, F656-2010

ELECTRICAL:

UL 651-1995

MANUFACTURED HOUSING/RV COMPONENTS:

IAPMO PS 42-2013, PS 54-2015 (Except Section 7.4), PS 94-2012, PS 95-2001, PS 64 -2012ae1(except 4.1.1 and 6.4),CSA B272-93 (R008)

METAL FIXTURES:

ASME A112.6.4-2003 (R08), ASME A112.18.6-2009, ASME A 112.6.3-2016, ASME A112.6.7-2010 (Except Section 5.2 Specular Gloss), CSA B45.12-13/ IAPMO Z402-2013

METAL PIPE/FITTINGS:

ASME A112.18.6-2009, ASTM C 1173-2010e1 (except section 9.1.4), ASTM F 1807-2012 (except 5), ASTM F 2306-2011 (except section 7.8), ASME A112.18.2-2011/ CSA B125.2-11 (except sections: 5.2 & 5.4), IAPMO PS 120-2004 with exception to chem analysis in section 4.1 (capable metal analysis portion), ASTM C 1053-2000 (R2010), ASTM C 1460-2012, ASTM F 1948-2011.

PIPE WRAP TAPE/COATINGS:

IAPMO PS 37-1990 (except dielectric breakdown, High Humidity Insulation Resistance), AWWA C210-2007, AWWA C213-2007, IGC 189-2008 (Except section 4.1), ASTM F1743-08

PLASTIC CELL CLASS TESTING:

Fingerprinting material using infrared and differential scanner

ASTM D 1248-1984, ASTM D 1784-2011, ASTM D3350-2014, ASTM D3965-2011, ASTM D4101-2014 (except section 13.1.7), ASTM C 564-14 (except 9.7)

PLASTIC FIXTURES:

ANSI Z124.5-2013, IAPMO PS 94-2012, PS 90-2012e1 (except 4.1.2), CSA B45.5-17/ANSI Z124-2017(except 5.10 and 5.12), ANSI Z124.8-2013 (except 5.4, 5.6, 5.7), ASME A112.6.4-2003(R08) , ASME A112.6.3-2001(R2007) , ASME A112.18.6-2017 (Except Toxicity), ASTM D5630-2013

PLASTIC PIPE/FITTINGS:

ASME A112.18.6-2009, ASTM D1527-1999(R2005), D 1785-2012, D2104-2003, D2239-2012, D2241-09, D2466-2006, D2467-2012, D2468-1996a, D2513-2012ae1, D2661-14(CSA, CAN/CSA-B181.1-M90), D2665-2014(CSA, CAN/CSA-B181.2-11), D2680-2001 (R09), D2729-11, D2737-2003, D2751-2005, D 2846-2009be1, D3034-2008(CSA, CAN/CSA-B182.2-M90), D3212-07, D3311-11, F405-2005, F409-2012, F437-09, F438-09, F439-09, F441-09, F442-2012, F628-2012e1 (Section 6.4.4 only), F667-2012, F794-2003 (R09), F810-2012, F876-2010e1, F 877-2011a, F 891-2010, F 949-2010, F 1412-2016, F 1673-2010, F 2158-2008;ASME A112.18.2-2011/ CSA B125.2-11(except sections: 5.2 & 5.4), A112.14.1-2003(R08) ,A112.6.4-2003 (R08),A112.6.3-2001(R2007), IAPMO Z1033-2013, PS 51-2013, PS 90-2012e1 (except 4.1.2), PS 94-2012, AWWA C900-1997 (pipe sizes through 8"),IAPMO IGC 120-1998a, IAPMO IGC 224-2009, ASTM F 1924-2012, NSF 14-2016a

POOL/SPA COMPONENTS/FITTINGS:

IAPMO Z1033-2013

SEPTIC SYSTEMS:

IAPMO Z1000-2013, IAPMO IGC 219-2005, IAPMO IGC 262-13 (Except Section 4.4), IAPMO PS 63-2005, IGC 276-2011 (Except section 6.1), IAPMO PS 52-2009e1

SHOWER PAN LINERS:

ANSI A118.10-R2017 (except M-4.1), ASTM D 4068-2009 (except 14.4), IAPMO PS 106-2015e1, ANSI A118.12-17

VALVES/FAUCETS:

ASSE 1016-2011/ ASME A112.1016-2011/CSA B125.16-11 (Except sections 4.6, 4.7, 4.8 and 4.9), ASSE 1014-2005, ASME

A112.18.1-2012/ CSA B125.1-12(except sections: 5.2, 4.9 Toxicity, 4.13), (CSA, CAN/CSA-B70-M91)

WATER CLOSETS:

ASME A112.3.4-2013/ CSA B45.13

FOUNDATION FOR CROSS-CONNECTION CONTROL & HYDRAULIC RESEARCH

3022 RIVERSIDE DR
LOS ANGELES, CA 90039
UNITED STATES
Contact: PAUL SCHWARTZ

Phone: 213 740-2032
Fax: 213 740-8399

Lab#: 0000023
Expires: 7/31/2019
Number of Employees: 14

Tests to Standards:

BACKFLOW PREVENTERS:

AWWA C510-2007, AWWA C511-2017, ASSE 1013-2011 (CSA,CAN/CSA-B64.4-11), ASSE 1015-2011 (Except 3.11), ASSE 1024-2004, ASSE 1055-2016, ASSE 1047-2011 (Except Section 3.21), ASSE 1048-2011 (Except Section 3.14)

VACUUM BREAKERS:

ASSE 1001-2017 (CSA, CAN/CSA-B64.0-01;B64.1.1-01) (Except 3.2), ASSE 1020-2004 (CSA, B64.1.2-01), ASSE 1056-2013(Except 4.1 Materials), ASSE 1060-2017(Except 4.1 Materials)

VALVES\FAUCETS:

ASSE 1003-2013(CSA, B356-01)

HOME INNOVATION RESEARCH LABS
400 PRINCE GEORGE'S BOULEVARD
UPPER MARLBORO, MD 20774-8731
UNITED STATES
Contact: THOMAS KENNEY

Phone: 301 249-4000
Fax: 301 430-6180

Lab#: 0000006
Expires: 3/31/2019
Number of Employees: 80

Tests to Standards:

MFG'D HOUSING/RV COMPONENTS:
CSA B45.5-17/ IAPMO Z124-2017

PLASTIC FIXTURES:
CSA B45.5-17/ IAPMO Z124-2017, ASME A112.19.7-2012, ASME A112.19.15-2012, IAPMO TS 11-2011a (Except 4.1 and 4.3),
ANSI Z124.8-2013

IAPMO (GUANGZHOU) LABORATORY CO. LTD.

NO. 201, BUILDING A / YUSHU INDUSTRIAL PARK, / SCIENCE CITY
GUANGZHOU, 510663 Phone: 86-20-82260960
CHINA Fax: 86-20-82260856
Contact: JEFF HUANG

Lab#: 0000093
Expires: 4/30/2019
Number of Employees: 10

Tests to Standards:

APPLIANCES:

ASME A112.19.7-2012/CSA B45.10-12, ASSE 1008-2006, IAPMO IGC 226-2006a (except Section 4.7), IAPMO Z1088-2013, ASME A112.4.1-2009 (Except Section 3), AHAM-DW-1-2010 (Section 7)

BACKFLOW PREVENTERS:

ASME A112.18.3-2002 (R08), ASME A112.4.2-2015/CSA B45.16-15, ASSE 1012-2009 (CSA,CAN/CSA-B64 SERIES- 2011),ASSE 1013-2011 , ASSE 1024-2004 (CSA, CAN/CSA-B64.3-2011), ASSE 1037-2015/ ASME A112.1037-2015/ CSA B125.37-15, ASSE 1015-2011, ASSE 1052-2016, IAPMO PS 23-2006a, IAPMO TS 8-2009, IAPMO TS 21-2006, IAPMO IGC 163-2001r1, CSA Z240.3.2-2008 Except Section 5.5, ASSE A112.14.1-2003 (R08) except 3.1 & 3.2

BALLCOCKS/FLUSHMETERS:

ASME A112.19.5-2017/CSA B45.15-17, ASSE 1001-2017 (CSA, CAN/CSA-B64 SERIES-2011;B64 SERIES-2011), ASSE 1002-2015/ASME A112.1002-2015/CSA B125.12.2015, ASSE 1037-2015/ ASME A112.1037-2015/ CSA B125.37-15, ASME A112.19.10-2003 (R08), IAPMO PS 50-2010, IAPMO PS 67-2010, IAPMO PS 69-2006, IAPMO IGC 162-2000, ASME A112.19.14-2013/CSA B45.4-13

ELECTRICAL:

IAPMO IGC 314-2015e1

LOW LEAD:

AB 1953, NSF 372-2016

METAL FIXTURES:

ASME A112.6.4-2003 (R08), ASME A112.6.7-2010, ASME A112.19.1-2013/ CSA B45.2-13, ASME A112.19.3-2017/ CSA B45.4-17e2, IAPMO 217-2011e1, IAPMO PS 54-2015 (except section 7.2),PS 117-2017(except 4.3, 4.4), IGC 182-2003, IGC 193-2010, IGC 194-2004a, IGC 195-2013e1(except 4.1 and 4.2), IGC 217-2011e1, IGC 227-2006, IGC 235-2015 (except Sec. 5.5), ASME B16.51-2013 Except Section 6 and 14.7, ANSI Z358.1-2014, ASME A112.6.1M-1997 (R2012), CSA B45.12-12/ IAPMO Z402-2013

METAL PIPE/FITTINGS:

ASME A112.6.3-2001(R2007), ASME A112.18.2-2012/ CSA B125.2-12 , ASME B16.18-2012, ASME B16.22-2013, ASTM A 888-2017a(CSA-B70-2012), ASTM A 74-2017(CSA, CAN/CSA-B70-2012), ASTM C1173-2010e1, ASTM C 1277-2018,ASTM C 1540-2015, IGC 100-1998, ASSE-1061-2015(except 4.1), IGC 198-2004, IGC 218-2005, IAPMO PS 53-2016a(except 4.1, 4.2 and 4.5), PS 55-2013 (except section 4.3, 4.4, 4.5), PS 117-2017 (Except 4.3, 4.4), CISPI 301-2012, ASTM C564-2014, SAE J1670-2008, ASME A112.36.2M-1991 (R2012), ASSE 1010-2004 (except 3.1 & 3.2), ASTM F2098-15, CSA B602-16, ASME A112.21.3M-85

MFG. HOUSING/RV COMPONENTS:

TS 1-2011e1, TS 8-2009, TS 19-2010, TS 20-2009, TS 21-2006, TS 22-1997e1, TS 24-2009, TS 34-1997e1, IAPMO TS 13-2014 Except Section 4.1, IAPMO TS 25-2014e2 Except Section 4.2, IAPMO TS 35-2016

NON METALLIC PIPE FITTINGS:

ASME A112.18.6-2017(CSA B125.6-17), IAPMO PS 42-2013, IAPMO PS-69-2006(except material), IAPMO PS 94-2012e1 (Except Section 4.6), IAPMO PS 95-2018e1, IAPMO Z600-2011, ASTM F-409-2017 (except section 5), ASTM C 1460-2017, IGC 261-2015

NON VITREOUS CHINA FIXTURES:

CSA B45.11-17/ IAPMO Z401-2017 , CSA B45.8-18/ IAPMO Z403-2018 except 5.4 and 5.6

PIPE WRAP TAPE/ COATING:

IAPMO PS 37-90 (except ection 3.4 and 4.1 material, 4.2)

PLASTIC FIXTURES:

ANSI Z124.1.2-2011,ANSI Z124.3-2011,ANSI Z124.4-2011,ANSI Z124.5-2013e1,ANSI Z124-2011,ANSI Z124.7-2013, CSA B45.5-17/IAPMO Z124-2017, ANSI Z124.8-2013e2,ANSI Z124-2011, ASME A112.19.2-2018/ CSA B45.1-18,ASME A112.19.3-2017/ CSA B45.4-17e2,ASME A112.19.5-2017/CSA B45.15-17/IAPMOZ401-2011, ASME A112.19.7-2012/CSA B45.10-12,IGC 138-1999, IGC 141-2008, IGC 142 2012, IGC 154-2018a, IGC 155-2008, IGC 171-2007(except section 7.2), IAPMO Z401-2011, IGC 227-2006, ASME A112.6.7-2010, ASME A112.19.15-2012 (Except Sections 2.3 & 2.5)

PLASTIC PIPE/FITTINGS:

ASME A112.18.2-2015/CSA B125.2-15, ASTM D 2661-2014e1, ASTM D 2665-2014 , ASTM F877-2018 (for fitting only), ASTM F1807-2017, ASME A112.19.12-2014, IGC 122-2005a, IGC 161-2014, IGC 192-2004 (except 6.0), IGC 224-2018, IGC 229-2006 (except Section 4.3), IGC 236-2006, IAPMO PS 25-2002, PS 69-2012e1 (except section 5.1, 5.2), PS 90-2014 (except section 4.1.1), IAPMO IGC 167-2014 (Except Material), CSA B181.0-18 (Except Section 4, 5.4, 5.6, 5.8, 6.4, 6.16 and 6.19), CSA B181.1-18 (Except Material), CSA B181.2-18 (Except Material), ASTM F2159-2014 (except section 5.1 & 5.2), CSA B137.5-17 (Except 6.5-6.7 & 6.11), IAPMO PS 66-2015 (Except 4.1.3, 4.3 and 5.2), ASTM F1960-15 (Except Section 11), ASTM F876-17, ASTM F1281-17, ASTM F628-12e1, ASTM F891-16, ASTM F1970-12 (Except Section 4), IGC 319-2016 (Except 4.3 & 5.2), ASTM F1282-17

POOL/SPA COMPONENTS/FITTINGS:

ASME A112.19.7-2012/CSA B45.10-12, IAPMO Z1033-2015 (Except section 4.2)

SEPTIC SYSTEMS:

CSA B45.13-14/ IAPMO Z1700-2014

SHOWER PAN LINERS:

IAPMO PS 106-2015e1 (Except Section 4.7, 4.8, 4.9, 4.10, 5.2 and 5.5)

VACUUM BREAKERS:

ASSE 1001-2017 (CAN/CSA-B64 SERIES-2011; B64 SERIES-2011), ASSE 1011-2017 (CAN/CSA-B64 SERIES-2011), ASSE 1019-2011, ASSE 1020-2004

VALVES/FAUCETS:

ASME A112.18.1-2018/CSA B125.1-18, ASSE 1003-2009, ASSE 1014-2005, ASSE 1016-2017/ASME A112.1016-2017/CSA B125.16-17, ASSE 1018-2001, ASSE 1019-2011, ASSE 1044-2015, CSA B651-12 section 6 and 7 , IGC 128-2008, IGC 151-1999, IGC 152-1999, IGC 157-2013e1, IGC 163-2001r1, IGC 170-2002r1 (except 4.1 & 4.2), IGC 204-2004, IGC 206-2004, IGC 216-2005, PS 72-2007e1, PS 86-1995, PS 104-1997, PS 112 -1999 (except section 3.1), PS 115 -2007 (except 5.6), PS 116 -1999 (except 4.4), ASME A112.18.8-2009, EPA WaterSense High-Efficiency Lavatory Faucet Specification, Version 1.2 Dated 2007-10-01, EPA WaterSense Specification for Showerheads, Version 1.1 Dated 2018-07-26, ASSE 1017-2009 (Except Section 3.2), ASSE 1070-2015 (Except Section 3.5 and 3.6), CSA Z8000-11 (Table 11.1 Item 19), IAPMO IGC 312-2018a (except 4.2), MSS SP-67-2017 , NSF/ ANSI 177-2014 (Section 5), IGC 267-2015e1, IGC 168-2012e1, IAPMO Z1157-2014e1

VITREOUS/NON VITREOUS CHINA FIXTURES:

ASME A112.19.2-2018/ CSA B45.1-18, ASME A112.19.3-2017/ CSA B45.4-17e2, IGC 156-2012e1, PS 99-2007, ASME A112.19.12-2014, ASME A112.18.2-2012 (CSA B125.2-12), ASME A112.19.19-2016, EPA WaterSense High Efficiency Flushing Urinal Specification, Version 1.2 Dated 2009-08-14, ASME A112.6.2-2017 , IAPMO IGC 248-2014

WATER CLOSETS:

ASME A112.4.2-2015/CSA B45.16-15, ASME A112.19.14-2013/ CSA B45.4-13, ASME A112.19.2-2018/CSA B45.1-18, IAPMO IGC 45-2006, IGC 150-2009, IGC 207-2009a, IGC 222-2005 (except Sec. 4.6), ASME A112.19.3-2017/ CSA B45.4-17e2, IAPMO TS 1-2011e1, TS 24-2009, TS 34-1997e1, LADWP SPS-2005, MaP, EPA WaterSense Specification for Tank-Type Toilets, Version 1.1 Dated 2011-05-20, IGC 252-2018 (w/ overflow)

WATER HEATERS:

IAPMO IGC 86-2002

IAPMO R & T LAB

5001 E. PHILADELPHIA STREET
ONTARIO, CA 91761
UNITED STATES
Contact: KEN WIJAYA

Phone: 909-472-4135
Fax: 909-472-4177

Lab#: 0000055
Expires: 9/30/2018
Number of Employees: 25

Tests to Standards:

APPLIANCES:

AHAM DW-1- 2010 (Section 6 & 7 ONLY), ASME A112.19.7-2012/CSA B45.10-12, ASSE 1008-2006, ASSE 1009-1990, ASSE 1023-1979, IAPMO IGC 115-2013e1, IAPMO IGC 226 -2006a(except Section 4.7), IAPMO/ ANSI Z1088-2013, IAPMO PS 92-2013, IAPMO PS 119-2012ae1, IAPMO IGC 91-2009, ASME A112.4.1-2009 (R2014), IAPMO PS 73-2015, IAPMO 335-2018

BACKFLOW PREVENTERS:

ASME A112.18.3-2002 (R2012), ASSE 1012-2009 (CSA,CAN/CSA-B64 SERIES-2011), ASSE 1013-2011 , ASSE 1021-2001, ASSE 1022-2003, ASSE 1024-2004 (CSA, CAN/CSA-B64.3), ASSE 1032-2004 (R2011), ASSE-1035-2008e1(CSA,CAN/CSA-B64 SERIES-11 [R2016]), ASSE 1037-2015/ASME A112.1037-2015/CSA B125.37-15, ASSE 1015-2011, ASSE 1047-2011, ASSE 1048-2011, ASSE 1052-2016, ASSE 1055-2016, ASSE 1056-2013, ASSE 1079-2012, IAPMO PS 23-2006a, ASME A112.14.1-2003 (R2017), IAPMO TS 8-2009, TS 21-2006, IAPMO IGC 163-2001r1 (R2013), IAPMO PS 65-2002

BALLCOCKS/FLUSHMETERS:

ASME A112.19.5-2017/CSA B45.15-17, ASSE 1001-2017, CAN/CSA B64 Series-11 (R2016), ASSE 1002-2015/ASME A112.1002-2015/CSA B125.12-15, ASSE 1037-2015/ASME A112.1037-2015/CSA B125.37-15, ASME A112.19.10-2003 (R08), IAPMO PS 50-2010, PS 67-2010, PS 69-2006, ASME A112.19.14-2013, ASME A112.14.6-2010 R(2015)

BATHROOM ACCESSORIES:

IAPMO IGC 127-2014, ASTM F446-85(R09)

CEMENT\SOLDER\JOINT COMPOUND:

IAPMO IGC 251-2008, ASTM D2564-2012, IAPMO PS 36-2014e1, ASTM F656-2015, ASTM D3138-2004 (R2016), ASTM F493-2014, ASTM B32-2008(R2014), ASTM B813-2016

ELECTRICAL:

IAPMO PS 119-2012,UL 778-2010, IGC 314-15e1, IAPMO IGC 349-2018

EQUIPMENT:

IAPMO IGC 242-2007

FOOD EQUIPMENT:

NSF/ANSI 2-2015 (Except Section 6.1), NSF/ANSI 4-2016(Except section 6.4), NSF 7-2016, NSF 8-2017 (Except Section 6.1), IAPMO PS 108-1998

FUEL GAS ITEMS

ASTM F1973-2013E1(Witness Test Only), ASTM F2509-2006, ANSI LC1-2016/CSA 6.26-2018, ANSI LC 4-2012, IAPMO TS 9-2003, ANSI Z21.15-2009 (R2014)/ CSA 9.1-2009, ANSI Z21.10.3-2017/ CSA 4.3-2017

LOW LEAD:

Section 1417(d) of the Safe Drinking Water Act, The lead content requirements of Section 116875 of the California Health & Safety Code, NSF/ANSI 372-2016, Vermont Lead Reduction Law (Vermont Act 193), Maryland Lead Reduction Law (Maryland House Bill HB.372), Louisiana Lead Reduction Law (Louisiana House Bill HB.471), Federal Lead Plumbing Law (U.S. Senate Bill No. S.3874)

MECHANICAL:

IAPMO IGC 209-2008 (R2014)

METAL FIXTURES:

ASME A112.6.1M-1997 (R2012), ASME A112.6.4-2003 (R2012), ASME A112.6.7-2010, ASME A112.19.1-2013/ CSA B45.2-13, ASME A112.19.3-2017e2/CSA, B45.4-17, PS 54-2015 (except section 7.2), ASME A112.6.2-2017, ASME A112.6.7-2010, PS 117-2017 (except 4.3), METAL ANALYSIS, IGC 193-2010, CSA B45.12-13/IAPMO Z402-13, IGC 227-2006, IGC 294-2012e1, IGC 195-2013a, CSA B79-2008 (R2013), IAPMO IGC 329-2016 (witness test only)

METAL PIPE/FITTINGS:

ASME A112.3.1-2007 (R2012)(except sections 2.2, 3.3), ASME A112.6.3-2016 (except 7.1), ASME A112.18.2-2015/CSA B125.2-2015 ,ASME A112.6.4-2003 (R2012) , ASME A112.21.3M-1985 (R2007), ASME A112.36.2M-1991 (R2012) (except section 6 & 7.1.1), ASME B16.18-2012, ASME B16.22-2013, ASSE 1061-2015, ASTM A 888-17a, ASTM A 74-17, ASTM C1173-2010e1 (R2014), ASTM C 1277-2018, ASTM C 1540-2018, IGC 100-1998 (R2013), PS 117-2017 (except 4.3), IGC 198-2004, IGC 201-2004 (R2014), IGC 218-2005, IGC 233-2009 (except Section 4.5), IGC 253-2008a, ASME A112.18.6-2017/CSA B125.6-17, ASTM C1460-2012, PS 53-2016a (except 4.2 and 4.5), PS 55-2013 (except section 4.3, 4.4, 4.5), PS 79-2005, PS 76-2012a, PS 97-2014e1, ASTM C1461-2008(R2013), CISPI 301-2012, CISPI 310-2012, SAE J1670-2008, ASTM B 88-16 (except section 8.1), ASTM

B280-2013, ASTM A 1056-2012 (R2017) (except section 4), ASTM C1461-2008, ASSE 1010-2004 (Except Sections 3.1 and 3.2), CSA B602-2016, CSA TIL MSE 13- 1989 (R03), IGC 237-2006, CSA B242-2005 (R2016) (Witness Test Only), MSS SP-67-2017, ASTM F1476 -07 (Witness Test Only), ASME B16.51-2013 (Witness Test Only), ASTM A53-12 (except section 9), IGC 167-2011ae2

MFG. HOUSING/RV COMPONENTS:

IGC 132-2002a (R2013), IGC 209-2008 (R2014) (less material), IAPMO PS 42-2013, TS 1-2011e1, TS 11-2011ae1 (except 4.5.1), TS 19-2010, TS 20-2009, TS 21-2006, TS 24-2009, TS 26-1997 (except section 3.2.3), TS 34-1997e1, IAPMO TS 2-2015, IAPMO TS 4-2015, TS 9-2003 (except section 11.5 & 11.6) TS 13-2014, TS 14-2006, TS 15-2006, TS 22-1997e1, TS 23-1997e1, IAPMO TS 25-2014e2, TS 27-1997e1, TS 28-2006, TS 30-1997e1, TS 33-2006, CSA B272-93 (R2000)(except section 4), PS 64-2012ae1, ANSI/ NSF 24-2010 (R2016) (Section 3,4,5)

NON METALLIC PIPE FITTINGS:

ASME A112.18.6-2017/CSA B125.6-17, ASME A112.6.4-2003 (R2012), IAPMO PS 42-2013, IAPMO PS 57-2002, IAPMO PS 69-2006, (except material), IAPMO PS 94-2012, IAPMO PS 95-2018e1, IAPMO TS 11-2011ae1, TS 19-2010, TS 26-1997, IGC 67-2014e1, ASME A112.18.2-2015/CSA B125.2-2015, IAPMO Z600-11, ASTM F 409-2017, ASTM C 1460-2012, IAPMO PS 69-2006 (except 7.7), ASPE/IAPMO/ANSI Z1034-2015, ASTM C700-2013, IAPMO IGC 348-2017

NON VITREOUS CHINA FIXTURES:

CSA B45.11-17/ IAPMO Z401-2017

PHYSICAL\ STRUCTURAL:

ANSI Z97.1-2009 (Tempered Glass Only)

PIPE WRAP TAPES\ COATINGS:

IGC 189-2008 (R2014)

PLASTIC CELL CLASS TESTING:

ASTM D 4101-2014e2, ASTM D 1784-2011, ASTM D 3965-2016

PLASTIC FIXTURES:

CSA B45.5-17/ IAPMO Z124-2017, Z124.5-2013e1, Z124.7-2013, (CSA, B45.5-02), Z124.8-2013e2, ASME A112.19.2-2018. CSA B45.1-18, ASME A112.19.3-2017/CSA B45.4-17e2), ASME A112.19.5-2017/ CSA B45.15-17, ASME A112.19.7-2012/CSA B45.10-12 (R2017), ASTM F462-1979 (R2007), IGC 154-2018a, IGC 171-2007 (R2013), IGC 200-2017e2, IGC 227-2006, ASME A112.19.15-2012, ASME A112.6.7-2010, ASME A112.4.2-2015/CSA B45.16-15, CSA TIL MSE 43-2004, IAPMO IGC 260-2009, ANSI/ICPA SS-1-2001, CSA B45.9-13), CSA B45.10-2012), CSA B45.11-17/ IAPMO Z401-2017, IAPMO IGC 281-2015a, CSA B45.5-17/ IAPMO Z124-2017

PLASTIC PIPE/FITTINGS:

ASME A112.18.2-2015/CSA B125.2-2015, ASSE 1050-2009, ASSE 1051-2009, ASTM D 2513-2016, ASTM D 2661-2014e1, CSA B181.1-2018, ASTM D 2665-2014, CSA B181.2-2018, ASTM D 2846-2017be1, ASTM F628 -2012e1, ASTM F877-2018, ASTM F1807-2018, ASTM F1924-2012(Witness Test Only), ASTM F1948-2015, ASTM F1960-2015, ASTM F1970-2012, ASTM F1974-2009 (R2015), ASTM F2158-2008 (R2016), CSA B137 Series 17, CAN/CSA B1800-15, IAPMO IGC 109-2017, ASME A112.19.12-2014, IGC 122-2005ae1 (R2013), IGC 161-2014, IGC 224-2009, IGC 225-2006, IGC 236-2006, IGC 269-2009, IGC 271-2009, IAPMO PS 25-2002, PS 34-2003, CSA B272-93 (R2000)(except Sections 4.2), PS 69-2006 (except section 5.1, 5.2), PS 90-2014 (except section 4.1.2), PS 98-96, PS 104-1997, PS 110-2006a (except 4.1 & 5.3), PS 111-1999 (except section 4.1, 4.4 & 5.3), IAPMO SPS3-1993, IAPMO TS 19-2010, ASTM F876-2017, ASTM F877-2011a, ASSE 1063-2008 (Witness Test Only), ASTM F1216-2016, ASTM F1281-2018, ASTM D1785-2015e1, ASTM D2235-2004 (R2016), ASTM D2241-2015, ASTM D2467-2015, ASTM D3034-2016, ASTM D4551-2012, ASME A112.4.3-1999 (R2015), ASTM F1282-2017, ASTM D2683-2010, IGC 285-2012, IGC 300-2013(except 5.7), IAPMO PS 51-2016, IGC 301-2013e3 (except 4.1.2a), ASTM F2618-2015, NSF/ANSI 14-2017, ASTM F2648-2017 (Witness Test Only), ASTM F679-13a (Section 7.4) (Witness Test Only), ASTM F810-2012, ASTM F1412-16, ASTM F1673-2010 (R2016), CAN/CSA B1800-15, ASTM F1488-2014

POOL/SPA COMPONENTS/FITTINGS:

ASME A112.19.7-2012/CSA B45.10-12 (R2017), IAPMO SPS-4-2009, ASME A112.19.17-2010 (Witness Test Only), NSF 50-2016, IAPMO IGC 274-2010a, ANSI/APSP/ICC 1-2004, ANSI/NSPI-2 1999, ANSI/NSPI-3 1999, ANSI/NSPI-5 2003, ANSI/APSP/ICC 6-2013, ANSI/APSP/ICC 4a-2013, ANSI/ APSP 16-2011, IAPMO PS 87-1995

SEPTIC SYSTEMS:

IGC 167-2011ae2, IGC 180-2013e1 (witness test only), IGC 199-2004, IGC 245-2007a, IAPMO PS 52-2009e1 (except section 4.1 thru 4.4), PS 59-2016ae1, PS 63-2014 (witness testing only), PS 80-2008 (except section 4 & 5), IAPMO ANSI Z1000-2013(witness testing only), ASME A112.14.3-2018(Witness Test Only), ASME A112.14.4-2001 (R2012)(Witness Testing Only), IAPMO IGC 183-2016 (witness testing only), ASME A112.14.6-2010 (R2015) (Witness Testing Only), CSA B481-2012 (R2017), CSA B66-2016, PS 81-2006, IAPMO/ANSI Z1002-2014 (Witness Test Only), ASME A112.3.4-2013/ CSA B45.9-13, IAPMO IGC 324-2016e1, NSF 46-2017 (except section 12 and 13)

SHOWER PAN LINERS:

IAPMO PS 106-2015e1, ANSI A118.10-14

SOLAR COMPONENTS\ SYSTEMS:
SRCC 150-2010 (Witness Test Only)

TOXICITY TESTING:
NSF/ANSI 61-2017

VACUUM BREAKERS:
ASSE 1001-2017, CAN/CSA-B64 Series 11 (R2016), ASSE 1002-2015/ASME A112.1002-2015/CSA B125.12-15, ASSE 1011-2017, ASSE 1019-2011, ASSE 1020-2004, ASSE 1035-2008e1, CAN/CSA B356-2010 (R2015), ASME A112.1.3-2000 (2015), IAPMO PS 101-97

VALVES/FAUCETS:
A112.18.1-2018/ CSA B125.1-18, ASSE 1003-2009, ASSE 1014-2005, ASSE 1016-2017/ASME A112.1016-2017/CSA B125.16-17, ASSE 1017-2009, ASSE 1018-2001, ASSE 1019-2011, ASSE 1035-2008e1, CAN/CSA B64 Series-2011 (R2016), ASSE 1044-2015, ASSE 1057-2012, ASSE 1062-2017, ASSE 1066-1997, ASSE 1069-2005, ASSE 1070-2015/ASME A112.1070-2015/CSA B125.70-15, CSA B356-2010 (R2015), ICC A117.1-2017, IGC 115-2013e1, IGC 128-2008, IAPMO/ANSI Z1157-2014e1, IAPMO IGC 163-2001r1 (R2013), ASME A112.18.8-2009 (R2014), IGC 230-2006, IGC 267-2015e1, IAPMO PS 72-2007e1, MSS SP-70-1998, MSS SP-71-2005, MSS SP-72-1999, PS 86-1995, PS 104-1997, PS 112-1999 (except section 3.1), PS 115-2007 (except 5.6), PS 116-1999 (except 4.4) EPA WaterSense High-Efficiency Lavatory Faucet Specification, Version 1.2 Dated 2007-10-01, EPA WaterSense Specification for Showerheads, Version 1.1 Dated 2018-07-26, MSS SP 67-2011, MSS SP 80-2013, IGC 258-2008, IGC 289-2012b, IGC 272-2009, CSA B125.3-2018, IGC 272-2009, EPA WaterSense Specification for Commercial Pre-Rinse Spray Valves, Version 1.0 Dated 2013-09-19, IAPMO PS 120-2004, IGC 244-2015a, NMX-C-415-ONNCCE-2015, NSF 177-2014 (Section 5 only), NSF 177-2014 (Except Section 5) Witness Only, IGC 302-2017, IGC 312-2018, IGC 352-2018

VITREOUS/NON VITREOUS CHINA FIXTURES:
ASME A112.19.2-2018/CSA B45.1-2018, ASME A112.19.3-2017e2/ CSA B45.4-17e2, IGC 156-2012e1, ASME A112.6.2-2017, CSA B45.8-18/ IAPMO Z403-2018, ANSI A117.1-2009, ASME A112.19.12-2014, ASME A112.18.2-2015/CSA B125.2-2015, ASME A112.19.19-2016, EPA WaterSense High Efficiency Flushing Urinal Specification, Version 1.2 Dated 2009-08-14, EPA WaterSense Specification for Flushometer Valve Water Closets Version 1.0

WATER CLOSETS:
ASME A112.4.2-2015/CSA B45.16-15, ASME A112.6.2-2017, ASME A112.19.14-2013, IAPMO Z1700-2014 (Witness Test Only), IGC 207-2009a, IGC 222-2005 (except Sec. 4.6), IAPMO TS 1-2011e1, TS 24-2009, TS 34-1997e1, TS 12-1997e1, LADWP SPS-2005, UNAR 2006, EPA WaterSense Specification for Tank-Type Toilets, Version 1.2 Dated 2014-06-02, ASME A112.3.4-2013/CSA B45.9-13, CSA B45.6-11 (R2016), IGC 316-2015 (Witness Test Only), IAPMO IGC 248-2014, IAPMO IGC 252-2018

WATER FILTERS/ CONDITIONERS:
IAPMO IGC 214-2009, Drinking Water Treatment Unit testing, NSF/ANSI 42-2017, NSF/ANSI 44-2016, NSF/ANSI 53-2016, NSF/ANSI 58-2017, NSF/ANSI 60-2017, NSF/ANSI 61-2017, NSF/ANSI 62-2016 (all sections except microbiological performance), NSF/ANSI 55-2016 (all sections except microbiological performance) NSF 177-2014 (Section 5 only), NSF 177-2014 (Except Section 5) Witness Only, NSF P231-2014 (all sections except microbiological performance), WQA S 100-2000, WQA S 200-2012, WQA S 300-2000, WQA S 400-2000, IAPMO Z601-2018

WATER HEATERS:
UL 174-2004-2016

INTERTEK (GUANGZHOU)

ROOM 4103 & 4203 / NO. 63 PUNAN ROAD / HUANGPU DISTRICT
GUANGZHOU, GUANGDONG, Phone: 86-20-8213-9504
CHINA Fax: 86-20-3205-7538
Contact: JEFF DENG

Lab#: 0000081
Expires: 3/30/2019
Number of Employees: 400

Tests to Standards:

APPLIANCES:

ASSE 1008-2006, IGC 226-2006a, ASSE 1023-1979, IAPMO/ANSI Z1088-2013

BACKFLOW PREVENTERS:

ASSE 1024-2004, ASME A112.18.3-2002(R2012), CSA B125.3-2012, CSA B64 Series-11

BALLCOCKS/FLUSHMETERS:

ASME A112.19.5-2017/ CSA B45.15-17, ASME A112.19.10-2003(R2008), ASSE 1002-2015, ASSE 1037-2015/ ASME A112.1037-205/CSA B125.37-2015, IAPMO IGC 181-2009

BATHROOM ACCESSORIES:

IAPMO IGC 186-2004(R2014)

LOW LEAD:

NSF 372-2011, Section 1417(d) of the Safe Drinking Water Act, and The lead content requirements of Section 116875 of the California Health & Safety Code

METAL PIPE/FITTINGS:

ASME A112.18.2-2015/ CSA B125.2-15, ASME B16.22-2013, ASTM A 888-2015, CSA B70-2012, CSA B602-2010, ASTM-B75-2002(R2010) (Except sections 6, 15.2), ASTM-B88-2009 (Except sections 6, 10.1), ASTM-B280-2013 (Except sections 6, 11.0), ASTM-B306-2013(Except sections 6, 9.2), ASTM-B837-2010 (Except sections 6, 10.1), ASTM C 564-2014, ASTM C 1277-2015, ASTM C 1540-2015, ASME A112.6.3-2001(R2007), SAE J1670-2008, CAN/CGSB 12.1 (M90), ASTM B687-1999 (R05) e1, ASME A112.21.3M-1985 (R2007), ASTM A74-2013a, CISPI 301-12

METAL FIXTURES:

ASME A112.19.3-2017/ CSA B45.4-17, CSA B45.3-2002 (R08), ASME-A112.19.1-2013/ CSA B45.2-13, ASME A112.19.1-2013, ASME A112.6.2-2017, ASME B16.51-2013, IAPMO PS 117-2012ae1

NON-METALLIC PIPE & FITTINGS:

ASME A112.18.6-2017/ CSA B125.6-17, ASTM F409-2012, CSA B125.5-11/ IAPMO Z600-11

NON VITREOUS CHINA FIXTURES:

ASME A112.19.2-2013/ CSA B45.1- 13, ASME A112.19.5-2011/ CSA B45.15-11

PHYSICAL/STRUCTURAL:

ANSI Z97.1-2009, 16 CFR PART 1201

PLASTIC CELL CLASS TESTING:

ASTM D1784-2011, ASTM D4101-2014, ASTM D3965-2005, ASTM D3350-2008

PLASTIC FIXTURES:

ANSI Z124.5-2013e1, ANSI Z124.7- 2013, ANSI Z124.8-2013e2, ASME A112.19.7-2012/ CSA B45.10-12, CSA B45.5-17/ IAPMO Z124-2017, CSA B45.11-11/ IAPMO Z401-2011, IAPMO IGC 154-2015, CSA B45.8/IAPMO Z403-2013, ASME A112.19.15-2012

PLASTIC PIPE/FITTINGS:

CSA B79-2008, IAPMO IGC 224-2009, ASTM F877-2011a, ASTM-F876-2013a, ASTM D2241-2009, ASTM D1785-2012, ASTM D2661-2014, ASTM D2665-2014, D3035-2014a, ASTM F1281-2011, ASTM F1282-2010, ASTM F1807-2015, ASTM F1974-2009,ASTM F2159-2014, ASTM F2389-2010,ASSE 1061-2011, CSA B137 Series-13, ASTM D2466-2015, IAPMO IGC 109-2015, IAPMO IGC 319-2016, ASTM F1960-2015, ASTM D2846-14

POOL/SPA COMPONENTS/FITTINGS:

ASME A112.19.7-2012/ CSA B45.10-12 (except section 5.3), IAPMO/ANSI Z1033-2013

SEPTIC SYSTEMS:

IGC 167-2011ae1

TOXICITY TESTING:

NSF 61-2017 section 4,8 and 9 (except Nitrosamines)

VACUUM BREAKERS:

ASSE 1001-2008, ASSE 1011-2004e1

VALVES/FAUCETS:

ASME A112.18.1-2012/ CSA B125.1-12 (Less Section 2.1 Toxicity Evaluation but include Water Extraction), ASSE 1014-2005, ASSE 1016-2011/ ASME A112.1016-2011/ CSA B125.16-11, ASSE 1019-2011, IAPMO Z1157-2014e1, IAPMO PS 50-2010 , CSA-B125.3-2012, ICC A117.1-2017, EPA WaterSense High-Efficiency Lavatory Faucet Specification, Version 1.2 Dated 2007-10-01, IAPMO IGC 267-2015e1, MSS-SP-80-2013, EPA WaterSense Specification for Showerheads, Version 1.2 Dated 2010-03-04, NSF 14-2015, ASSE 1069-2005, ASSE 1070-2015/ CSA B125.70-15, IAPMO PS 72-2007e1, ASSE 1017-2009, MSS SP-145-2013, IAPMO IGC 258-2008, IGC 312-2014, CSA B651-12 (Sections 6 & 7)

VITREOUS CHINA FIXTURES:

ASME A112.19.2-2013/ CSA B45.1-13, ASME A112.19.19-2006 (R2011)

WATER CLOSET:

ASME A112.19.14-2013, ASME A112.4.2-2009, ASME A112.6.2-2000(R2010), EPA WaterSense Specification for Tank-Type Toilets, Version 1.2 Dated 2014-06-02, LADWP SPS-2005, EPA WaterSense High Efficiency Flushing Urinal Specification, Version 1.2 Dated 2009-08-14

NATIONAL CENTRE FOR SUPERVISION & INSPECTION OF DRAINAGE IRRIGATION & WASTE

NO. 33 TIANDU ROAD, / HEFEI ECONOMIC & TECHNICAL / DEVELOPMENT ZONE,
HEFEI, ANHUI, -- 230601
CHINA
Contact: CHENG XIAOMIN (SMITHY)

Phone: +86-551-713-2010
Fax: +86-551-713-2020

Lab#: 0000088
Expires: 8/31/2019
Number of Employees: 20

Tests to Standards:

Appliances:

ANSI/ AHAM DW-1-2010 (Section 7 only)

Ballcocks/Flushometers:

ATS 5200.016-2005, ATS 5200.017-2005, ASSE 1002-2015/ASME A112.1002-2015/ CSA B125.12-15, ASME A112.19.5-2017/ CSA B125.15-17, ASSE 1037-2015/ASME A112.1037-2015/ CSA B125.37-2015

Electrical:

IGC 314-15e

Low Lead:

NSF/ ANSI 372-2016, AB 1953/ Section 1417(d) of the Safe Drinking Water Act

Metal Fixtures:

ASME A112.19.3-2017/CSA B45.4-17, CSA B45-08, CSA B79-2008 (R2013), IAPMO PS 117-2017

Metal Pipe\Fittings:

ASTM A888-2008, ASTM C1277-2006, ASME A112.18.2-2015/CSA B125.2-15, ASSE 1061-2011, ASME B16.22-2013, ASME A112.6.3-2016

Nonmetallic Pipe\Fittings:

ASME A112.18.6-2017/ CSA B125.6-17, AS/NZS 3499:2006, ASTM F877-18a, ASTM F1807-2018

Plastic Fixtures:

ANSI Z124.1.2 (Except Sections 5.3, 6.1, 6.3), CSA B45.5-17/IAPMO Z124-17, IAPMO IGC 154-2018a, ASME A112.19.15-2012

Plastic Pipe\Fittings:

ASTM F1960-15, CSA B137.5-13, IAPMO IGC 319-2016 (Except Section 4.3), IAPMO IGC 109-2015, ASTM D2846-2017, ASTM F2159-2014, CSA B137.6-2013

Valves\Faucets:

AS/NZS 3718:2005 (Except Section 4.7), AS/NZS 3662:2005, ASME A112.18.1-2018/CSA B125.1-18 (Except Section 4.9, 5.4.3 and 5.13), IAPMO/ANSI Z1157-2014e1, EPA WaterSense High-Efficiency Lavatory Faucet Specification, Version 1.2 Dated 2007-10-01, EPA WaterSense Specification for Tank-Type Toilets, Version 1.1 Dated 2011-05-20, MSS SP-80, EPA WaterSense Specification for Showerheads, Version 1.1 Dated 2018-07-26, ASSE 1014-2005, ASSE 1016-2017/ASME A112.1016-2017/CSA B125.16-17, MSS SP-110-2010, AS/NZS 6400-2005, ICC A117.1-2008, ASSE 1019-2011, IAPMO IGC 312a-2018, CalGreen 2016, IGC 168-2012 (except ASSE 1010)

Virteous China Fixtures:

AS 1976-1992, AS 1756-1999, AS 3494-1997, AS/NZS 1730:1996, AS/NZS 3982:1996, ASME A112.19.2-2018/ CSA B45.1-18, CSA B45.0-08 (for ceramic plumbing fixtures), CSA B45.1-08, EPA WaterSense High Efficiency Flushing Urinal Specification, Version 1.2 Dated 2009-08-14

Water Closets:

AS 1172.1-2005, AS 1172.2-1999, ASME A112.19.14-2013, IAPMO PS 50-2010 / CSA B125.3, LADWP-2005, MaP Performance Test

NSF INTERNATIONAL

789 DIXBORO ROAD
ANN ARBOR, MI 48105
UNITED STATES
Contact: LYNN TUREK-REYNOLDS

Phone: 734 769-8010
Fax: 734-827-7182

Lab#: 0000057
Expires: 5/31/2019
Number of Employees: 260

Tests to Standards:

BACKFLOW PREVENTERS:

ASSE 1012-2009 (CSA-B64.8-11), 1013-2011 (CSA-B64.4-11), ASSE 1015-2011, ASSE 1019-2011, ASSE 1020-2004 (CSA B64.1.2-11), ASSE 1022-2003, 1024-2004 (CSA-B64.3-11), ASSE 1032-2004, ASSE 1035-2008 (CSA B64.7-11), ASSE 1047-2011, ASSE 1048-2011, ASSE 1052-2004

BALLCOCKS & FLUSHMETERS & FLUSH VALVES:

ASSE 1002-2015/ ASME A112.1002-2015/ CSA B125.12-15, ASSE 1037-2015/ ASME A112.1037-2015/ CSA B125.37-2015, ASME A112.19.5-2017/ CSA B45.15-17

CEMENTS, SOLDERS & JOINT COMPOUNDS:

ANSI/NSF 14-2007, ASTM D2235-2004(R2011), ASTM D2564-12, ASTM D3138-04, ASTM D3139-1998(R2011), ASTM F493-14

MFD. HOUSING/R.V. COMPONENTS:

ANSI/NSF 24- 1988(R06), CSA B45.5-17/ IAPMO Z124-2017, ANSI Z 124.3-2005, ANSI Z 124.4-2006, ANSI Z 124.5-2006, ANSI Z 124.6-2007, ANSI Z 124.7-1997, CSA B45.5-2002 (R08), ANSI Z 124.8-1990, ANSI Z 124.9-2004, CSA B45.6-2002 (R08), CSA B45.7-2002 (R08), IAPMO TS 1-2005, IAPMO TS 2-2015

METAL FIXTURES:

ASME A112.1.2-2004, ASME A112.3.1-1993, ASME A112.18.1-2012/ CSA B125.1-12, ASME A112.18.6-2017/ CSA B125.6-17, ASME A112.19.1 -2013/CSA B45.2-13, ASME A112.19.2-2013/CSA B45.1-13, ASME A112.19.3-2017/ CSA B45.4-17, ASME A 112.19.7-2006 (CSA, CAN/CSA-B45S1-88), ASME A112.19.10-2003(R08), ASME A112.21.1, ASME A112.21.3M-1985(R2001), ASME A112.36.2-1991(R08), CSA B45.1-2002(R08), CSA B45.2-2002(R08), CSA B45.3-2002(R08), CSA B45.4-2002(R08), IGC 195-2009

METAL PIPE & FITTINGS:

ASME A112.18.2-2005, ASME A112.6.3-2001, ASME B16.22-2001, ASTM B 280-2008, B 306-2002, C 1277-2008, F 1807-2008, F 2080-2008, PS 117-2008, ASTM B687-1999(R05)e1, ASSE 1061-2006, ASTM C1173-2010e1(R2014), CSA B602-2010 (Except section 5.14 and 5.17)

NONMETALLIC PIPE/FITTINGS:

ASTM C 1460-2008

PLASTIC CELL CLASS TESTING:

ASTM C 564-2003a(except sec. 9.7(ozone exposure)),ASTM D 1248-1984, ASTM D 1784-2008, ASTM D 3350-2008, ASTM D 3965-2005, ASTM D 4101-2008

PLASTIC FIXTURES:

ASSE 1010-2004, ASSE 1014-2005, ASSE 1050-2002, ASSE 1051-2002, CSA B45.5-2002 (R08), IAPMO PS 99-2007

PLASTIC PIPE/FITTINGS:

ASTM D 1785-2006, ASTM D2235-2004(R2011), D 2239-2003, D 2241-2005, D 2447-2003(CSA, B137.3-93), D 2464-2006, D 2466-2006, D 2467-2006, D 2513-2008, D 2609-2002, ASTM D2661-14 (CSA-B181.1-11), D 2665-2009(CSA, CAN/CSA-B181.2-M90), D 2672-1196a(R2003), D 2683-1970, D 2729-2003, D 2737-2003, D 2751-2005, D 2846-2009(CSA, B137.6-M1983), D 2996-2001, D 3034-2008, D 3035-2003a, ASTM D3138-2004, D 3212-1996a, D 3261-1997, D 3309-2002, F 409-2002(R08), F 437-2006, F 438-2004, F 439-2006, F 441-1999, F 442-1999, F 480-2006b, F 876-2008a, F 877-2011a(CSA, CAN/CSA-B137.5-M89), F 1055-1998e1, F1216-2016, F 1281-2007(CSA, CAN/CSA-B137.9-M91), F 1282-2006(CSA, CAN/CSA-B137.10-M91), F 1335-2004, F 1336-1999(R03), F 1412-2009, F 1866-2005, F 1960-2004, F 1970-2005, F 1974-2004, F 1986-2001, F 2389-2017a, AWWA C 900-1997, C 901-1997, C 906-1999, C 907-2004, CSA B 137.1-2002, CSA B 137.2-2002, CSA B 137.3-2002, CSA B 137.4-2002, CSA B 137.5-2005, CSA B 137.6-2002, CSA B 137.7-2002, CSA B 137.8-2002, CSA B 137.9-2005, CSA B 137.10-2002, CSA B 137.11-2002, CSA B 181.1-2002, CSA B 181.2-2002, NSF 14-2007, IAPMO IGC 109-2009, IGC 210-2005a, IGC 223-2007, PS 33-2009c, ASTM A 1045-2008, IAPMO IGC 277-2010, ASTM F1488-2009, ASTM F1807-2008, ASTM F2023-13, AWWA C904-06, IGC 334-2016

POOL SPA COMPONENTS & SYSTEMS: (DE Filters, Sand Filters, Multi-port Valves, Cartridge Filters, Centrifugal pumps, Multiport vavles, Recessed automatic surface skimmers, Adjustable output chemical feeders, Flow through chemical feeders, Process equipment-includes: Ozone generators, UV-Hydrogen Peroxide disinfection systems, In-line electrolytic chlorine/bromine generation, Brine-type electrolytic chlorine/bromine generation, and Copper/silver in generation disinfection systems.), IAPMO PS 33-2009c flexible spa hose , IAPMO SPS-4 -2009 suction fittings, IAPMO/ ANSI Z1033-2013, IAPMO PS 3-93, IAPMO PS 5-2006

SEPTIC SYSTEMS:

CSA B 66-2005, B 481-2007, IAPMO PS 1-2007, PS 63-2005, ASME A112.14.3-2000, ASME A112.14.4-2001, PDI-G101-1998, IAPMO Z1000-2007, IAPMO IGC 273-2009

SHOWER PAN LINERS:

ANSI Z 124.2-2005 (CSA, B45.5-94), ANSI Z 124.8-1990, ASTM D4551-1996(R08)e1

TOXICITY:

ANSI/NSF 14-2007, ANSI/NSF 60-2009, NSF 61-2016, AS 2345-2006, ANSI/ NSF 372-2011

VACUUM BREAKERS:

ASSE 1001-2008, ASSE 1011-2004(CSA, CAN/CSA-B64.2.1-94, B64.2.2-94, B64.1.2-94), 1060-2006, CSA B64-2001, ASSE 1056-2013

VALVES & FAUCETS:

ASME A112.18.1-2012/ CSA B125.1-12, (CSA, CAN/CSA-B70-M91), ASME A112.19.2-2013/CSA B45.1-13, ASSE 1003-2001(up to 1' only), 1016-2005, CSA B 125-2005, B 356-2000 (up to 1' only), LADWP SPS Ultra Low Flush Supplement to ASME A112.19.2-2013, IGC 168-2001, IAPMO PS 87-1995, IAPMO PS 101-1997, ANSI/ ISEA Z358.1-2009, AS 4775-2007

VITREOUS CHINA FIXTURES:

ASME A112.19.2-2013/CSA B45.1-13, CSA B 45.2-2002(R08)

WATER CLOSETS:

ANSI Z 124.4-2006, ANSI Z 124.9-2004 (CSA B 45.2-2002(R08), ASME A112.14.2-2009

WATER FILTERS/CONDITIONERS:

NSF/ANSI 53-2014, IAPMO PS 65-2002

WATER HEATERS:

ASME A112.18.1-2012/ CSA B125.1-12

PROVE STANDARDS & ENGINEERING PTY LTD

3 LEVER STREET
CAMPBELLFIELD, VIC, __ 3061
AUSTRALIA
Contact: TERRY NGUYEN

Phone: +61 3 9357 5626
Fax:

Lab#: 0000099
Expires: 7/31/2019
Number of Employees: 3

Tests to Standards:

METAL FIXTURES:
ASME A112.19.3-2017/ CSA B45.4-17, IAPMO IGC 313-2015a

METAL PIPE/FITTINGS:
ASME A112.18.2-2015/ CSA B125.2-15

PT IAPMO GROUP INDONESIA

JL. KAPUK TIMUR F23 NO. 11 AA / LIPPO CIKARANG, / DELTA SILICON III, BEKSAI
CIKARANG, 17750
INDONESIA
Contact: SATRIA MANGUNKUSUMO

Phone: +62 21 89911467
Fax: +62 21 89911468

Lab#: 0000101
Expires: 8/31/2019
Number of Employees: 5

Tests to Standards:

BALLCOCKS/FLUSHMETERS:

ASME A112.19.5-2017/CSA B45.15-17, ASSE 1002-2015/ASME A112.1002-2015/CSA B125.12.2015, ASSE 1037-2015/ ASME A112.1037-2015/ CSA B125.37-15, IAPMO PS 50-2010

LOW LEAD:

NSF 372-2016

METAL FIXTURES:

ASME A112.19.1-2013/CSA B45.2-13, ASME A112.19.3-2017/ CSA B45.4-17, CSA B45.12-13/IAPMO Z402-2013

METAL PIPE/FITTINGS:

ASME A112.18.2-2015/ CSA B125.2-15, ASTM A 888-2015(CSA B70-2012), ASTM A74-2013(CSA, CAN/CSA-B70-2012), CISPI 301-2009,

NON METALLIC PIPE FITTINGS:

ASME A112.18.6-2017/CSA B125.6-17

NON VITREOUS CHINA FIXTURES:

CSA B45.11-17/ IAPMO Z401-2017, CSA B45.8-2018/IAPMO Z403-18 (except section 4.4.4)

PLASTIC FIXTURES:

CSA B45.5-17/IAPMO Z124-2017

PLASTIC PIPE/FITTINGS:

ASME A112.18.2-2015/CSA B125.2-15

VALVES/FAUCETS:

ASME A112.18.1 -2018(CSA B125.1-18) except toxicity ,
EPA WaterSense High-Efficiency Lavatory Faucet Specification, Version 1.0, EPA WaterSense Specification for Showerheads, Version 1.1 Dated 2018-07-26

VITREOUS/NON VITREOUS CHINA FIXTURES:

ASME A112.19.2-2018/CSA B45.1-18, EPA WaterSense High Efficiency Flushing Urinal Specification, Version 1.0

WATER CLOSETS:

ASME A112.19.14-2013, ASME A112.19.2-2013/CSA B45.1-13,
EPA WaterSense Specification for Tank-Type Toilets, Version 1.2

QAI LABORATORIES INC.

5110 N. MINGO RD
TULSA, OK 74117
UNITED STATES
Contact: JARRED JOHNSON

Phone: 918 437-8333
Fax: 918 437-8487

Lab#: 0000033
Expires: 3/31/2019
Number of Employees: 11

Tests to Standards:

APPLIANCES:

EPA WaterSense Specification for Weather- Based Irrigation Controllers, Version 1.2 Dated 2011-11-03, ASSE 1023-1979

BACKFLOW PREVENTERS:

ASME A112.1.2-2012, ASSE 1001-2008 (CSA, CAN/CSA-B64 SERIES-2011;B64 SERIES-2011); ASSE 1002-2015/ASME A112.1002-205/CSA B125.12-15; ASSE 1011-2004e1(CSA, CAN/CSA-B64 SERIES-2011, B64 SERIES-2011, B64 SERIES-2011); ASSE 1019-2011; ASSE 1020-2004(CSA, B45.2-2008); ASSE 1021-2001, ASSE 1024-2004 (except material), ASSE 1035-2008e1(CSA,CAN/CSA-B64 SERIES-2011); ASSE 1037-1990; ASSE 1052-2004 (CSA, CAN/CSA-B64 SERIES-2013, B64 SERIES-2011, B64 SERIES-2011); ASSE 1056-2001 (Except Material Toxicity), PS 65-2002, ASSE 1055-2009, ASSE 1012-2009, ASSE 1013-2011, ASSE 1015-2011, ASSE 1032-2004, ASSE 1047-2011, ASSE 1048-2011, ASSE 1030-2016

BALLCOCKS & FLUSHMETERS:

ASME A112.19.5-2011; ASME A112.19.10-2003 (R08), ASSE 1002-2015/ASME A112.1002-205/CSA B125.12-15, ASSE 1037-1990 (except toxicity)

FIRE:

ASTM E 84-2011a

FUEL GAS ITEM:

ASTM D 1598-2002; ASTM F1973-2013e1

MANUFACTURING HOUSING & RV COMPONENTS:

IAPMO PS 34-2003 (Except Cell Classification), TS 1-2011e1; TS 4-2006; TS 2-2005, TS 11-2011a, TS 20-2009, TS 22-1997e1 (except 4.3.3), TS 30-1997e1

METAL FIXTURES:

ASME A112.6.1M-1997 (R08), ASME A112.6.7-2010, ASME A112.18.2-2015/CSA B125.2-15, ASME A112.19.1-2013/ CSA B45.2-13; ASME A112.19.3-2008 (CSA, B45.4-08); IAPMO IGC 194-2004a;IAPMO PS 46-2013, PS 54-2011a, ASSE 1072-2007, CSA B79-2008

METAL PIPE & FITTINGS:

ASME A112.18.6-2009(except toxicity), ASSE 1010-2004 (except material), ASTM C 1277-2012, ASME A112.18.2-2015/CSA B125.2-15, IAPMO PS 55-1992 (except materials), IAPMO PS 79-2005 (except toxicity), IAPMO PS 95-2001, IGC 263-2013e1, IGC 275-2010, IGC 198-2004, ASME A112.21.3M -1985 (R2007), ASME A112.21.1M-1991, ASME A112.21.2M-1983, ASME A112.36.2-1991 (R2002), EPA WaterSense Specification for Weather-Based Irrigation Controllers, Version 1.2 Dated 2011-11-03, ASTM C1173 (Section 10.3.1 and 12), ASSE 1061-11, CSA B70-2012

NON-METALLIC PIPE/FITTINGS:

ASME A112.18.6-2009 (except toxicity), IAPMO PS 94-2012

NON VITREOUS CHINA FIXTURES:

IAPMO PS 46-2013

PLASTIC PIPE/ FITTINGS:

ASME A112.6.3-2016, ASME A112.6.4-2003 (R08), ASTM D 1599-1999, ASTM D 2513-2012e1 (Sustained Pressure Test), ASTM D 2661-2011 (except materials)(CSA, CAN/CSA-B181.1-M90), ASTM D 2665-2014 (CSA, CAN/CSA-B181.2.-M90), ASTM D 2662-1993, ASTM D 2666-1993, ASTM D 2737-2003 (Except Basic Material-Cell Class), ASTM D 2846-2009be1 (except cell classification), ASTM F409-2012 (Except Cell Classification), IAPMO IGC 67-2009a, ASME A112.14.1-2003 (R08), IAPMO PS 69-2006 (except materials), IAPMO PS 90-2014, IGC 122-2005ae1(R2013), ASSE 1050-2009, ASSE 1051-2009 , ASTM F1924-2012 , IAPMO IGC 331-2016

PLASTIC FIXTURES:

IAPMO Z124-2017/ CSA B45.5-17, ANSI Z124.5-2013 (CSA, B45.5-2011), ANSI Z124.7-2013 (CSA, B45.5-2011); ANSI Z124.8-2013, ASTM F 462-1979(R2007), IAPMO PS 46-2013, PS 98-1996, PS 99-2007, Flammability (ASTM E 162-1983, ASTM E 662), IAPMO PS 91-2005a

POOL/SPA COMPONENTS /FTGS:

ASME A112.19.7-2012 (CAN/CSA-B45 SERIES-2002(R2008)); ANSI Z124.7-2013 (CSA, B45.5-2011); IGC 171-2007 (except section 7.3),

SEPTIC SYSTEMS:

IAPMO PS 52-2009, PS 59-2012 (Less Cell Class), IGC 150-2009, IGC 167-2011ae1, IAPMO Z1001-2014, IAPMO Z1000-2013 , IGC 183-2016

SHOWER PAN LINER:

ANSI A118.10-2008, ASTM D 4551-2012(Except Shear Resistance), ASNI A118.12

VACUUM BREAKERS:

ASME A112.1.3-2000(R2010), A112.3.1-2007 (except section 3.2), IAPMO IGC 275-2010

VALVES & FAUCETS:

ASME A112.4.7-2002 (R08) (except toxicity), A112.18.1-2012/ CSA B125.1-2012 (Except Toxicity) (Sect 4.1.2, 4.14, 5.2.2, 5.13); ASME A112.19.5-2011, ASSE 1014-2005 (except material); ASSE 1016-2011, ASSE 1017-2009 (except material toxicity); ASSE 1018-2001 (except material); ASSE 1044-2001; ASSE 1057-2001 (except material); ASSE 1062-2006 (except material); ASSE 1066-1997 (except material), ASSE 1071-2012 , IAPMO PS 72-2007e1 (except toxicity), IGC 168-2012 (except toxicity), IGC 267-2011, EPA WaterSense High-Efficiency Lavatory Faucet Specification, Version 1.2 Dated 2007-10-01, EPA WaterSense Specification for Showerheads, Version 1.2 Dated 2010-03-04, IAPMO Z1157-2014e1, ASSE 1003-2009

VITREOUS CHINA FIXTURES:

ASME A112.19.2-2013/ CSA B45.1-13; ASME A112.19.19-2006(R2011), EPA WaterSense High Efficiency Flushing Urinal Specification, Version 1.2 Dated 2009-08-14

WATER CLOSETS:

ASME A112.3.4-2000; ASME A112.19.2-2013/ CSA B45.1-13; ASME A112.19.3-2008, IAPMO PS 67-2010, LADWP SPS Specification, UNAR 2006, IAPMO IGC 161-2007, EPA WaterSense Specification for Tank-Type Toilets, Version 1.1 Dated 2011-05-20, ASME A112.19.14-2013

QUALITY FILTER TESTING LABORATORY LLC

41 D GERMAY DRIVE
WILMINGTON, DE 19804
UNITED STATES
Contact: JAIME YOUNG

Phone: (856) 583-0445
Fax:

Lab#: 0000102
Expires: 10/31/2019
Number of Employees: 7

Tests to Standards:

WATER FILTERS/CONDITIONERS:

NSF/ANSI 42 (Section 6, 7.3), NSF/ANSI 53 (Sections 6, 7.2, 7.3, 7.4), NSF/ANSI 58 (Sections 6.4.1, 6.9, 7.1, 7.2, 7.3.2.3, 7.3.2.4), NSF/ANSI 401 (Section 6), NSF/ANSI P473 (Section 6)

SGS-CSTC STANDARDS TECHNICAL SERVICES

SERVICES (SHANGHAI) CO. LTD. / 3TH BUILDING, LANE 3999 / XIUPU ROAD
PUDONG, SHANGHAI, 201319
CHINA
Contact: DONNA GU/ HELEN LI

Phone: +86-02161402666
Fax: 086-021-54500353

Lab#: 0000084
Expires: 1/31/2019
Number of Employees: 43

Tests to Standards:

BACKFLOW PREVENTERS:

ASME A112.18.3-2002 (R20008) Except Section 15

BALLCOCK/ FLUSHOMETERS:

ASME A112.19.5-2017/CSA B45.15-17, ASSE 1002-2015/ ASME A112.1002-2015/ CSAB125.12-15 (Except Section 4.6), CSA B125.3-12, IAPMO PS 50-2010

BATHROOM ACCESSORIES:

IAPMO IGC 186-2004A

LOW LEAD:

AB 1953, NSF 372

METAL FIXTURES:

ASME A112.19.1-2013/CSA B45.2-13, ASME A112.19.3-2017/CSA B45.4-17 including Errata No. 2 dated August 2017

METAL PIPE/FITTINGS:

ASME A112.18.2-2015 (except section 5.12), ASTM A 888-2015

NON METALLIC PIPE/FITTINGS:

ASME A112.18.6-2017/ CSA B125.6-17

PLASTIC FIXTURES:

CSA B45.5-17/ IAPMO Z124-2017, ANSI Z124.5-2013e1, IAPMO IGC 154-2016, IAPMO Z401-2011, ANSI/ICC A117.1-2017

PLASTIC PIPE/FITTINGS:

IAPMO IGC 224-2009, ASTM F409-2012 (R2008)

TOXICITY TESTING:

NSF 61-2013 (Except Nitrosamines)

VALVE/FAUCETS:

ASME A112.18.1-2012/CSA B125.1-2012, EPA WaterSense High-Efficiency Lavatory Faucet Specification, Version 1.2 Dated 2007-10-01, IAPMO Z1157-2014e1(Except section 4.1c), EPA WaterSense Specification for Showerheads, Version 1.2 Dated 2010-03-04

VITREOUS/NON VITREOUS CHINA FIXTURES:

ASME A112.19.2-2013/CSA B45-13, EPA WaterSense Specification for Tank-Type Toilets, Version 1.1 Dated 2011-05-20

WATER CLOSETS:

ASME A112.19.14-2013

TAIWAN PLUMBING RESEARCH & TESTING LABORATORIES

NO. 25, 37TH ROAD / INDUSTRIAL PARK

TAICHUNG, R.O.C.

TAIWAN

Contact: MR. CHI-HONG YAO

Phone: 886-4 2350-2169

Fax: 886-4-2350-2127

Lab#: 000067

Expires: 12/31/2019

Number of Employees: 43

Tests to Standards:

BACKFLOW PREVENTERS:

ASME A112.18.3-2002 (R08)

LOW LEAD:

ANSI/NSF 372-2011

METAL PIPE/FITTINGS:

ASME A112.18.2-2015/CSA B125.2-15

NON-METALLIC PIPE & FITTINGS:

ASME A112.18.6-2009/CSA B125.6-09 (Except NSF 61 of Sec. 3.1)

TOXICITY:

NSF 61-2013 (For Metal Only)

VACUUM BREAKERS:

ASSE 1014-2005, ASSE 1019-2004

VALVES/FAUCETS:

ASSE 1016-2017/ASME A112.1016-2017/CSA B125.16-17, ASME A112.18.1-2018/CSA B125.1-2018 (Except toxicity per Section 4.9), AB 1953, ASSE 1070-2015/ASME A112.1070-2015/CSA B125.70-15, EPA WaterSense High-Efficiency Lavatory Faucet Specification, Version 1.2 Dated 2007-10-01, EPA WaterSense Specification for Showerheads, Version 1.1 Dated 2018-07-26, CSA B125.3-2012

TUV RHEINLAND LGA PRODUCTS GMBH

DREIKRONENSTRABE 31
WURZBURG 97082,
GERMANY
Contact: BERNHARD SICHLER

Phone: 49 0 931 4196-162
Fax: 49 0 931 4196-165

Lab#: 0000086
Expires: 2/28/2019
Number of Employees: 13

Tests to Standards:

Ballcocks/Flushometers:

ASME A 112.19.10-2008, ASSE 1002-2015/ ASME A112.1002-2015/CSA B125.12-15, IAPMO PS 50-2010

Plastic Fixtures:

AS 2887, AS 2888

Metal Fixtures:

ASME A112.19.3-2017/CSA B45.4-17, ASME A112.6.3-2001, ASME A112.6.4-2008, ASME A112.6.9-2005, ASME A112.6.2-2000

Metal Pipe\Fittings:

ASME A112.6.4-2008, ASME A112.6.9-2005, IGC 270-2008 , ASME A112.3.1-2007

Virteous China Fixtures:

ASME A112.19.2-2013/CSA B45.1-13, ASME A112.19.14-2013, EPA WaterSense Specification for Tank-Type Toilets, Version 1.1
Dated 2011-05-20, ASME A112.19.19-2016

Water Closets:

ASME A112.19.14-2013, AS 1172

U.S. ANALYTICAL LABORATORY

600 S. STATE COLLEGE BLVD.
FULLERTON, CA 92831
UNITED STATES
Contact: ALFRED BECK

Phone: 714-773-9151
Fax: 714-773-0521

Lab#: 0000032
Expires: 3/30/2019
Number of Employees: 4

Tests to Standards:

APPLIANCES:

AHAM DW-1-2010

BACKFLOW PREVENTERS:

ASME A112.18.3-2002 (R08) (except section 15), ASSE 1014-2005, ASSE 1011-2004 (CSA, CAN/CSA-B64.2.1-94, B64.2.2-94, B64.1.2-94), ASSE 1020-2004 (CSA, B45.2-94), ASSE 1021-2001, ASSE 1035-2008 (CSA, CAN/CSA-B64.7-94), ASSE 1079-2005, IAPMO PS 23-2006a, ASME A112.14.1-2003 (R08), ASME A112.4.2-2009, ASSE 1053-2004

BALLCOCKS/FLUSHMETERS:

ASME A112.19.10-2003 (R08), ASSE 1037-2015/ASME A112.1037-2015/CSA B125.37-2015, ASSE 1002-2015/ASME A112.1002-2015/ CSA B125.12-15, ANSI A112.19.5-2017/ CSA B45.15-17

CEMENT\SOLDER\JOINT COMPOUNDS:

ASTM B32-2008, B 813-2010, ASTM D 2235-2004, ASTM D 2564-2004e1, ASTM D 2672-1996a (R2009), ASTM D 2855-96 (R2002), ASTM D 3122-1995 (R2002), ASTM F656-2010, IAPMO PS 36-1990

CLAY PIPES:

ASTM C425-2004 (CSA, A60.3-M1976)

LOW LEAD:

AB 1953, ANSI NSF 372-2011

METAL FIXTURES:

ASME A112.19.1-2008 (CSA, B45.2-94), ASME A112.19.3-2008 (CSA B45.4-94), ASME A112.6.1M-1997 (R08), ASME A112.6.2-2000 (R2004), ASME A112.6.3-2001, ASME A112.6.4-2003 (R08), ASME A112.6.7-2001

METAL PIPE FITTINGS:

ASME A112.18.2-2011/CSA B125.2, ASTM A74-2009, ASTM A888-2011, ASTM B88-2009, ASTM B135-2002, ASTM B280-2008, ASTM B306-2009, ASTM B584-2006a, ASTM C1173-2010, ASTM C1277-2011 (CSA B602), ASTM C1540-2009a, IAPMO IGC 100-1998, IGC 198-2004, ASME A112.6.4-2003 (R08), PS 95-2001, CISPI 301-2009, CISPI 310-2011, ASTM F1807-2011ae1, ASME B16.15-2006, ASME B16.22-2001, ASME B16.29-2001, ASSE 1061-2011, ASTM B687-05 e1, ASTM B 360, ASTM B 743

MFG'D HOUSING/RV COMPONENTS:

IAPMO TS 28-2006

NONMETALLIC PIPE\FITTINGS:

ASME A112.18.6-2009, ASTM C428-2005, ASME A112.6.4-2003 (R08), IAPMO PS 90-2006

PLASTIC CELL CLASS TESTING:

ASTM D 1248-1984, ASTM D 1784-2008, ASTM D 3350-2008, ASTM D 3935-2009, ASTM D 3965-2005, ASTM D 4101-2010, ASTM D 4066-01a(2008), ASTM C 564-2009a (CSA, CAN/CSA-B70-M91)

PLASTICS FIXTURES:

ANSI Z 124.1.2-2005 (except section 5.1), ANSI Z 124.3-2005 (except section 5.1), ANSI Z 124.4-2006 (except section 5.1), ANSI Z 124.5-2006 , ANSI Z 124.6-2007 (except section 5.1), IAPMO IGC 172-2010, IAPMO PS 55-1992, ASME A112.4.2-2009 CABO/ANSI A117.1-2003, CSA B45.11-2004

PLASTIC PIPE\FITTINGS:

ASTM D 1527-1999, ASTM D 1785-2006(CSA, B137.3-93), ASTM D 2104-2003(CSA, B137.3-93), ASTM D 2146-1982 (CSA, CAN/CSA-B137.11-93), ASTM D 2235-2004, ASTM D 2239-2003(CSA, B137.3-93), ASTM D 2241-2009, ASTM D 2282-1999, ASTM D 2321-2005, ASTM D 2447-2003(CSA, CAN/CSA-B137.1-M89), ASTM D 2464-2006, ASTM D 2466-2006, ASTM D 2467-2006, ASTM D 2564-2004e1, ASTM D 2661-2008(CSA, CAN/CSA-B181.1-M90), ASTM D 2665-2010(CSA, CAN/CSA-B181.2-M90), ASTM D 2672-1996a (R2009), ASTM D 2680-2001 (R09), ASTM D 2729-2003, ASTM D 2737-2003, ASTM D 2751-2005, ASTM D 2846-2009b(B137.6-M1983), ASTM D 2855-96 (R2002), ASTM D 3033-1985, ASTM D 3034-2008, ASTM D 3212-1996a, ASTM D 3311-2009a, ASTM D 3965-2005, ASTM D 4068-2009, ASTM D 4551-1996 (R08) e1, ASTM F 409-2002 (R08), ASTM F 437-2006, ASTM F 438-2009, ASTM F 439-2009, ASTM F 441-1999, ASTM F 442-1999, ASTM F 628-2008, ASTM F 789-1995a, ASTM F 794-2003 (R09), ASTM F 876-2010, ASTM F 877-2001a(CSA, CAN/CSA-B137.5-M89), ASTM F 891-2010, ASTM F 949-2003, ASTM F 1281-2007, ASTM F 1282-2010, ASTM F 1412-2009, ASTM F 1673-2004, ASTM F 1960-2004, ASTM F 1974-2009, ASME A112.19.12-2006, IGC 228-2006, IAPMO PS 69-2006, PS 66-2000

PLASTIC WRAP TAPES/COATINGS:
IAPMO PS 37-1990

POOL/SPA COMPONENTS/FTGS:
IAPMO SPS 5-2006, IAPMO PS 33-2011

SHOWER PAN LINERS:
ASTM D 4068-2009, ASTM D 4551-1996 (R08)e1

TOXICITY:
NSF 14-2010, NSF 61-2013 (Except Nitrosamines)

VACUUM BREAKERS:
ASSE 1001-2008, ASSE 1011-2004, ASSE 1014-2005, ASSE 1020-2004 (CSA,CAN/CSA-B64.1.2-94)

VALVES/FAUCETS:
PS 72-2007, ASME A112.4.2-2009, ASME A112.18.1-2001/CSA B125.1-08, MSS SP-80-2008, ASME A112.18.6-2009, ASSE 1014-2005, ASSE 1016-2005, ASSE 1017-2009, ASSE 1019-2004, ASSE 1066-1997, IAPMO IGC 157-2010, EPA WaterSense High-Efficiency Lavatory Faucet Specification, Version 1.2 Dated 2007-10-01, EPA WaterSense Specification for Showerheads, Version 1.2 Dated 2010-03-04, IGC 267-2011, ASME A112.21.3M- 1985(2007), ASSE 1070-2014; CSA B45.5-11/ IAPMO Z124-2011 (Except Section 5.10)

VITREOUS CHINA FIXTURES:
ASME A112.19.2-2008

WATER CLOSETS:
ASME A112.19.2-2008, ASME A112.19.14-2006, IAPMO PS 50-2010, ASME A112.19.3-2008, IAPMO PS 67-2010, ASME A112.4.2-2009, LADWP SPS req. for Ultra-Low-Finish Toilets Supplementary Specification to ASME A112.19.2M & ASME A112.19.2-2005, UNAR 2006, ASME A112.6.2-2000 (R2004), EPA WaterSense Specification for Tank-Type Toilets, Version 1.1 Dated 2011-05-20

POLYMER ID:
FTIR Scanning for Polymer ID, Microscopic & U.V. Visible Spectrophotometric for Additives ID