



TEST REPORT

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Report Number: 710-24327-004

Lab Project No. 44427

Report Issued: May 5, 2026

Client: Acorn Engineering
15125 Proctor Ave.
City of Industry, CA 91746

Source of Samples: The sample was shipped to IAPMO R&T Lab from Acorn Engineering Co. and received in good condition on June 12, 2025

Date of Testing: October 9, 2024, through July 3, 2025

Sample Description: A Solid Surface (plastic) water closet. The unit was a two-piece flushometer type, Elongated bowl, 114 mm (4.5 in) rough-in, single-flush, gravity fed, high-efficiency water closet.

Model:

WH2135XXX-W-Y-ZZZZ	Wall Supply Solid Surface Toilet
WH2135XXX-T-Y-ZZZZ	Top Supply Solid Surface Toilet
LR2135XXX-W-Y-ZZZZ	Wall Supply Solid Surface Toilet
LR2135XXX-T-Y-ZZZZ	Top Supply Solid Surface Toilet
WH2136XXX-W-Y-ZZZZ	Wall Supply Solid Surface Toilet
WH2136XXX-T-Y-ZZZZ	Top Supply Solid Surface Toilet
LR2136XXX-W-Y-ZZZZ	Wall Supply Solid Surface Toilet
LR2136XXX-T-Y-ZZZZ	Top Supply Solid Surface Toilet

- XXX An alphanumeric denoting variations such as finishes, markings, & marketing labels
- Y An alphanumeric denoting Wall Waste or Floor Waste
- ZZZZ An alphanumeric denoting exterior color
- Model WH2135XXX-T-Y-ZZZZ was tested.

Scope of Testing: The purpose of testing was to determine whether the sample tested of the plastic water closet met the requirements of Section 5.8.8 of CSA B45.5-22/IAPMO Z124-2022 entitled, “Plastic Plumbing Fixtures”.

CONCLUSION: The sample tested of the water closet from Acorn Engineering Co., models as listed above, from Acorn Engineering Co., **COMPLIED** with the requirements of Section 5.8.8 of CSA B45.5-22/IAPMO Z124-2022

Tested by,

Victor M. Soria, Test Technician

Approved by,

Xuefeng (Jeff) Huang, Director-Fixture Testing

All testing and sample preparation for this report was performed under the continuous, direct supervision of IAPMO R&T Lab, unless otherwise stated. The statement of compliance is based on the test results compared to the standard specifications without considering measurement uncertainty. The observations, test results and conclusions in this report apply only to the specific samples tested and are not indicative of the quality or performance of similar or identical products. Only the Client shown above is authorized to copy or distribute the report, and then only in its entirety. If presented with a copy of a Test Report without the IAPMO R&T Lab watermark background, contact IAPMO R&T Lab for verification. Any use of the IAPMO R&T Lab name for the sale or advertisement of the tested material, product or service is prohibited absent the advance written consent of IAPMO R&T Lab.

Primary Standard: CSA B45.5-22/IAPMO Z124-2022. Sections Tested/Evaluated:

5.8 Structural Integrity Test

Test Results: All tests and evaluations were conducted per the written procedure in the specific standard.

CSA B45.5-22/IAPMO Z124-2022

5.8 Structural Integrity Test

5.8.8 Load Test for Floor-Mounted Water Closet Bowl Rims – COMPLIED

Floor-mounted water closet bowl rims shall have a 1335 ± 22 N (300 ± 5 lbf) including the weight of the channel plate described in section 5.8.8.1. Leave load for 60 ± 5 min and measure the deflection and inspect for any visual damage. After removal of the load wait 60 ± 5 min measure the residual deflection. There shall be no visible cracks, water leakage and the rim deflection shall not exceed 2.54 mm (0.10 in) and residual deflection shall not exceed 1.3 mm (0.056 in).

Findings: There were no cracks in the surface when examined in accordance with items (b) to (d) of clause

Test Condition	Load at 10,000 lbf for 60 Minutes	Load at 25,000 lbf for 60 Minutes
Results	No Cracks	No Cracks

Note: this test was conducted per the client's request

Photographs of the Sample Tested:



Note: this report superseded report No. 710-24327-003 with updated model info.