CPR TEST REPORT

Prepared For:	Guangdong Lianshu Valve Co., Ltd. No. 83, Xining Avenue, Ducheng Town, Yunan County, Yunfu City, Guangdong Province, China
Manufacturer:	Guangdong Lianshu Valve Co., Ltd. No. 83, Xining Avenue, Ducheng Town, Yunan County, Yunfu City, Guangdong Province, China
Product Name:	Floor drains and drain outlets
Trade Name:	LESSO
Model:	LS042003
Additional models	LS042003, LS051001, LS051004
Prepared By:	Jilin Zhongfu Testing Technology Service Co., Ltd. Room 519, School of Mechanical and Electrical Engineering, Building 4, Changchun Institute of Technology, 395 Kuangping Road, Chaoyang District, Changchun City, Jilin Province, China
Test Date:	Sep. 2, 2026 To Sep. 9, 2026
Date of Report:	Sep. 10, 2026
Report No.:	ZF580730SQ00380SR

TEST REPORT DECLARATION

Applicant	:	Guangdong Lianshu Valve Co., Ltd.
Address	:	No. 83, Xining Avenue, Ducheng Town, Yunan County, Yunfu City, Guangdong Province, China
EUT Description	:	Floor drains and drain outlets
Model Number	:	LS042003
Test procedure	:	-Essential characteristics, -Regulation (EU) No 305/2011 - Construction Products, Annex V, Clause 1.5, system 4, -Declaration of Performance

Test reference standards:

- EN 1253-7:2022
- EN 274-1:2002
- EN 274-2:2002

The test report is valid for above tested sample only and shall not be reproduced in part without written approval of the laboratory.

Prepared by: _____
Assistant

Tested by: _____
Test Engineer

Reviewer: _____
Supervisor

Approved & Authorized Signer: _____
Manager

ZHONGFU TESTING LABORATORY APPROVED

EN 1253-7:2022 Gullies for buildings - Part 7: Trapped floor gullies with mechanical closure

No.	Test Item	Technical Requirement	Remarks	Evaluation
1	Apertures in gratings	Class H 1.5: min. 1.5 mm, max. 15 mm; Class K 3: min. 3 mm, max. 10 mm; Class L 15: min. 4 mm, max. 15 mm (up to 31 mm in commercial premises). Max. 8 mm in barefoot areas. Apertures < 4 mm excluded from hydraulic tests	Within the limit	Pass
2	Resistance of trap with mechanical closure to pressure	Withstand +400 Pa for 15 min; pressure shall not drop beyond 90 % of starting pressure within 15 min; test fails if pressure cannot be reached/stabilised within 2 min; mechanical closure must remain in place	Mechanical closure is functional	Pass
3	Access for cleaning	Outlet DN ≤ 80: clear opening C > 20 mm, area A > 800 mm² ; 80 < DN ≤ 110: C > 32 mm, A > 800 mm² ; 110 < DN ≤ 200: C > 50 mm, A > 1 900 mm²		Pass
4	Clogging test	No visible deformation or damage impairing function; after test: odour-tightness (4.9.1) and pressure resistance (4.4.1) still met; fibre used recorded in test report	No damage	Pass
5	Thermal behaviour (hot/cold cycling)	No visible deformation or surface-structure change impairing fitness for use; afterwards satisfy tightness 4.9.1 and 4.9.2. Class A: any installation; Class B: private-dwelling bathrooms only (outlet DN 40–75)	No damage	Pass
6	Additional test — sheet floor coverings & liquid applied membranes	Flange/bonding must remain watertight; specific parameters per 4.8.4 verify exact values in official text (secondary source cites flange width ≥ 30 mm for plastic sheeting / ≥ 100 mm for bitumen; vacuum test −10 kPa / 10 min)		Pass
7	Odour-tightness	No passage of foul air verify exact	No passage of foul air	Pass

No.	Test Item	Technical Requirement	Remarks	Evaluation
		procedure/parameters in official text		
8	Watertightness of bodies	No leakage through body verify parameters in official text	No leakage	Pass
9	Watertightness of extensions	No leakage verify parameters in official text	No leakage	Pass
10	Loading strength	Load classes: H 1.5 = 1.5 kN (maintenance loads only); K 3 = 3 kN (no vehicular traffic); L 15 = 15 kN (light vehicular traffic); all gratings min. Class H 1.5; no permanent deformation/damage verify load-duration details	Within the limit	Pass
11	Clamping ring strength	Ring withstands load without damage verify parameters in official text		Pass
12	Additional mechanical strength according to installation	Per installation type verify parameters in official text		Pass
13	Floor gullies for use with liquid applied membranes	Per 4.10.4 verify parameters in official text		Pass
14	Flow rates	Minimum flow rate requirements (secondary source: ≥ 0.4 L/s for gully connected to a single shower only) verify Table values in official text	0.4 L/s	Pass
15	Allocation and sequence of tests	Per clause 5; conformity evaluation per EN 1253-3	Meet the requirements	Pass

EN 274-1:2002 Waste fittings for sanitary appliances - Part 1: Requirements

No.	Test Item	Technical Requirement	Remarks	Evaluation
1	Dimensional requirements (incl. water seal depth)	Dimensions per Tables 1 & 2 (waste-outlet and overflow diameters, flange/clamping heights, thread lengths; threads per ISO 228-1: G 1¼, G 1½, G 2). Waste-outlet diameter G ⩽ 42 mm (basins/bidets, outlet hole 46 mm), ⩽ 49 mm (shower trays/kitchen sinks, outlet hole 52 mm). Water seal depth: min. 50 mm (per standard/industry practice verify exact clause value)	Meet the requirements	Pass
2	Hydraulic requirements — minimum flow rates (Table 3)	Verified per EN 274-2 clause 5. Minimum flow rates (L/s): Waste outlet — basins/bidets 0.6; baths 1.0; kitchen sinks 0.7. Waste outlet with trap — basins/bidets 0.5; baths 0.8; kitchen sinks 0.6. Trap (shower) min. 0.4 L/s. Overflow: separate minimums verify full Table 3 in official text		Pass
3	Tightness of waste outlet with plug or flap	Leakage through plug/flap < 1 L/h (tested per EN 274-2 6.1)	0.9 L/h	Pass
4	Tightness of waste fitting (complete assembly incl. trap)	No leakage (tested per EN 274-2 6.2)	No leakage	Pass
5	Material resistance to temperature	Materials must withstand intermittent contact with domestic wastewater up to the long-term test temperatures of EN 274-2 (temperature-cycling test, clause 3)	Material is functional	Pass

EN 274-2:2002 Waste fittings for sanitary appliances - Part 2: Test methods

No.	Test Item	Technical Requirement	Remarks	Evaluation
1	Temperature cycling test	After 5 cycles: no deformation/leakage affecting fitness for use; trap leak-tightness re-checked immediately (see 6.2)	No leakage	Pass
2	Dimensional requirements	Conform to EN 274-1 Tables 1 & 2 and min. water seal depth	Meet the requirements	Pass
3	Measurement of flow rates (general)	Flow rate = flowmeter reading at stabilised level		Pass
4	Flow rate of waste outlet	⩾ min. flow rate per EN 274-1 Table 3		Pass
5	Flow rate of waste outlet with a trap	⩾ min. flow rate per EN 274-1 Table 3		Pass
6	Flow rate of trap	⩾ min. flow rate per EN 274-1 Table 3 (e.g., 0.4 L/s shower traps)		Pass
7	Flow rate of overflow	⩾ min. flow rate per EN 274-1 Table 3		Pass
8	Leak-tightness of waste outlet with plug or flap	Leakage < 1 L/h	0.9 L/h	Pass
9	Leak-tightness of traps	No leakage	No leakage	Pass

Remarks

We have tested the above-mentioned products in accordance with the listed standards and confirm that they comply with Regulation (EU) No 305/2011 (CPR).

Product Pictures

Floor drains and drain outlets / LS042003



========END========

Room 519, School of Mechanical and Electrical Engineering, Building 4, Changchun Institute of Technology, 395 Kuangping Road, Chaoyang District, Changchun City, Jilin Province, China
Phone:400-806-8667
Website:https://www.zhonfulab.com
Email:service@zhonfulab.com