

Auditing Test Report

Test Report No. 258816/J/26/26

Date: 18/01/2026

Client

Saudi Vitrified Clay Pipe Co.
P.O. Box 6415
Riyadh 11442
Kingdom of Saudi Arabia

Sampling Date: 14/01/2026

Test Date: 15/01/2026

Auditing Purpose:

Testing of Vitrified Clay Pipes jointed by system C according to EN 295-1:2013

Size Description:

Nominal Size: DN 200 ES * 1750 mm
Jointing System: System C
Class: 260 - Class A

Description of Sampling

Samples were collected randomly from the stock at the client's manufacturing works in Riyadh (Kingdom of Saudi Arabia) by the agent of the Suhaimi - Fugro

Underlying specification /description of the tests

| | |
|------------------------|---|
| EN 295-1:2013 | "Vitrified clay pipe systems for drains and sewers - Part 1: Requirements for pipes, fittings & joints" |
| SASO-GSO-EN-295-1:2022 | "Vitrified clay pipe systems for drains and sewers - Part 1: Requirements for pipes, fittings & joints" |
| EN 295-2:2013 | "Vitrified clay pipe systems for drains and sewers - Part 2: Evaluation of conformity and sampling" |
| EN 295-3:2012 | "Vitrified clay pipe systems for drains and sewers - Part 3: Test Methods" |



Test Results of DN 200 ES 1.75m - Class A

Test Report No. 258816/1/26/26

| | Test Type | | Unit | Sample 1 | Sample 2 | Sample 3 | Req. | Result |
|-------------------------------|---|-----------------------------|---------|---|----------|------------------------------------|--------------------|--------|
| | Pipes | Marking (visual Inspection) | | - | ✓ | ✓ | ✓ | ✓ |
| Crushing Strength | | KN/m | 72 | 67 | 66 | ≥ 52 | ✓ | |
| Internal Barrel Diameter "D1" | | mm | 200 | 203 | 202 | ≥ 195 | ✓ | |
| Length | | mm | 1755 | 1760 | 1750 | 1750 ^{+4%} _{-3%} | ✓ | |
| Water Tightness | | L/m ² | 0.017 | 0.01 | 0.01 | ≤ 0.04 | ✓ | |
| Deviation from Straightness | | mm | 2.1 | 1.8 | 1.9 | < 4.0 | ✓ | |
| Squareness of Ends | | Socket | mm | 2.2 | 2.4 | 2.7 | < 6.0 | ✓ |
| | | Spigot | mm | 2.1 | 1.7 | 1.9 | | |
| Airtightness | | mm | 0 | 0 | 4 | Drops ≤ 25 | ✓ | |
| Chemical Resistance | | % | 0.16 | 0.17 | 0.17 | 0.10-0.25% | ✓ | |
| Water Absorption | | % | 2.5 | 2.5 | 2.4 | ≤ 6 % | ✓ | |
| Bending Moment Resistance | | KNm | 17.2 | 17.9 | 16.6 | ≥ 9.2 | ✓ | |
| Joint Assembly | Joint Interchangeability (D4) | | mm | 260.3 | 260.3 | 260.4 | 260 ± 0.5 | ✓ |
| | Watertightness under Angular Deflection | | 0.5 bar | No leak, Deflection applied is 80 mm/m for 5 min. | | | No visible leakage | ✓ |
| | Watertightness under Shear | | 0.5 bar | No leak, Shear force applied is 8.12 KN for 15 min. | | | No visible leakage | ✓ |
| | Continuity of Invert | | mm | 2.1 | 2.2 | 2.3 | ≤ 4 | ✓ |

