

## Auditing Test Report

Report No. 258816/6

Date: 21/07/2024

### Client

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

Sampling Date: 17/07/2024

Test Date: 18/07/2024

### Auditing Purpose:

Testing of Perforated Vitrified Clay Pipes jointed by system C according to EN 295-5:2013

### Size Description:

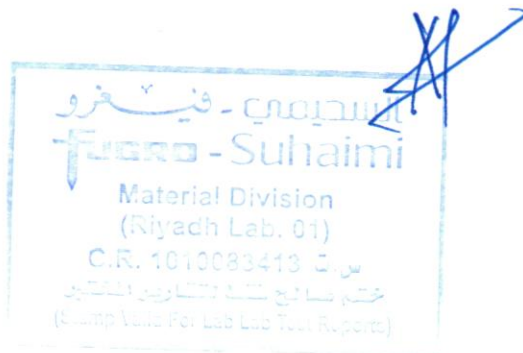
Nominal Size: DN 200 SS \* 1500 mm Half Perforated  
Jointing System: System C  
Class: 200

### 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"    |
| EN 295-5:2013 | "Vitrified clay pipe systems for drains and sewers - Part 5: Requirements for perforated pipes & fittings" |
| 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 SS HP 1.5m

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|                | Test Type                     | Unit               | Sample 1 | Sample 2 | Sample 3 | Req.                               | Result |
|----------------|-------------------------------|--------------------|----------|----------|----------|------------------------------------|--------|
| Pipes          | Marking (visual Inspection)   | -                  | ✓        | ✓        | ✓        | ✓                                  | ✓      |
|                | Crushing Strength             | KN/m               | 53       | 58       | 55       | ≥ 45                               | ✓      |
|                | Internal Barrel Diameter "D1" | mm                 | 199      | 200      | 199      | ≥ 195                              | ✓      |
|                | Length                        | mm                 | 1510     | 1505     | 1500     | 1500 <sup>+5%</sup> <sub>-2%</sub> | ✓      |
|                | Deviation from Straightness   | mm                 | 2.3      | 2.1      | 2.4      | < 5.0                              | ✓      |
|                | Perforation Area              | mm <sup>2</sup> /m | 7075.46  |          |          | ≥ 600                              | ✓      |
|                | Water Absorption              | %                  | 2.6      | 2.3      | 3.5      | ≤ 6 %                              | ✓      |
| Joint Assembly | Joint Interchangeability      | mm                 | 260.3    | 260.2    | 260.2    | 260 ± 0.5                          | ✓      |
|                | Continuity of Invert          | mm                 | 1.9      | 2.1      | 1.6      | ≤ 4                                | ✓      |

FUGRO - SUHAIMI LTD

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