

## Auditing Test Report

Report No. :SA13-4043/4

Date: 10/01/2024

### Client

Saudi Vitrified Clay Pipe Co.

P.O. Box 6415

Riyadh 11442

Kingdom of Saudi Arabia

Sampling Date: 06/01/2024

Test Date: 07/01/2024

### Auditing Purpose:

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

### Size Description:

Nominal Size:

DN 300 SS \* 2000 mm Half Perforated

Jointing System:

System C

Class:

160

### 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 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 300 SS HP**

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	Test Type	Unit	Sample 1	Sample 2	Sample 3	Req.	Result
Pipes	Marking (visual Inspection)	-	✓	✓	✓	✓	✓
	Crushing Strength	KN/m	56	57	58	≥ 55	✓
	Internal Barrel Diameter "D1"	mm	302	302	301	≥ 293	✓
	Length	mm	2005	2005	2015	2000 <sup>+4%</sup> <sub>-1%</sub>	✓
	Perforation Area	mm <sup>2</sup> /m	10215.2			≥ 900	✓
	Deviation from Straightness	mm	3.1	3.2	3.4	< 4.0	✓
	Water Absorption	%	3.2	3.5	3.2	≤ 6 %	✓
Joint Assembly	Joint Interchangeability	mm	371.4	371.2	371.3	371 ± 0.5	✓
	Continuity of Invert	mm	2.3	3.2	3.1	≤ 4	✓

FUGRO - SUHAIMI LTD

Mohammad Afaq

