

## Auditing Test Report

Report No.:SA13-4043-6

Date: 01/08/2021

### Client

Saudi Vitrified Clay Pipe Co.

P.O. Box 6415

Riyadh 11442

Kingdom of Saudi Arabia

Sampling Date: 27/07/2021

Test Date: 28/07/2021

### Auditing Purpose:

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

### Size Description:

Nominal Size: DN 400 SS \* 2000 mm Half Perforated

Jointing System: System C

Class: 120

### 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 400 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	73	71	77	≥ 64	✓
	Internal Barrel Diameter "D1"	mm	403	402	401	≥ 390	✓
	Length	mm	2008	2010	2015	2000 <sup>+5%</sup> <sub>-2%</sub>	✓
	Deviation from Straightness	mm	1.8	1.5	1.6	< 4.0	✓
	Perforation Area	mm <sup>2</sup> /m	10215.2			≥ 1200	✓
	Water Absorption	%	3.1	3.4	3.6	≤ 6 %	✓
Joint Assembly	Joint Interchangeability	mm	483.7	483.6	483.7	483.5 ± 0.5	✓
	Continuity of Invert	mm	3.4	3.2	3.2	≤ 4	✓

*(Handwritten Signature)*

FUGRO - SUHAIMI LTD

Neesar Ahmed

