

Auditing Test Report

Report No. SA13-4043-02

Date: 21/01/2021

Client

Saudi Vitrified Clay Pipe Co.

P.O. Box 6415

Riyadh 11442

Kingdom of Saudi Arabia

Sampling Date: 16/01/2021

Test Date: 17/01/2021

Auditing Purpose:

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

Size Description:

Nominal Size: DN 100 * 1000 mm Half Perforated

Jointing System: System F

Class: 34 KN/m

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 100 HP

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	Test Type	Unit	Sample 1	Sample 2	Sample 3	Req.	Result
Pipes	Marking (visual Inspection)	-	✓	✓	✓	✓	✓
	Crushing Strength	KN/m	38	35	37	≥ 34	✓
	Internal Barrel Diameter "D1"	mm	101	103	99	≥ 96	✓
	Length	mm	1005	1002	1005	1000 ^{+5%} _{-2%}	✓
	Deviation from Straightness	mm	5.3	4.9	5.1	< 6.0	✓
	Perforation Area	mm ² /m	6280			≥ 300	✓
	Water Absorption	%	2.2	1.1	0.9	≤ 6 %	✓
Joint Assembly	Joint Interchangeability	mm	132.2	132	131.9	131 ± 1.5	✓
	Continuity of Invert	mm	3.1	3.3	2.9	≤ 4	✓

(Signature)

FUGRO - SUHAIMI LTD

Abdul Ghafoor Khawaja

