

Auditing Test Report

Report No. SA13-4043/3

Date: 28/07/2022

Client

Saudi Vitrified Clay Pipe Co.

P.O. Box 6415

Riyadh 11442

Kingdom of Saudi Arabia

Sampling Date: 23/07/2022

Test Date: 24/07/2022

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 ^{+5%} _{-2%}	✓
	Deviation from Straightness	mm	2.3	2.1	2.4	< 5.0	✓
	Perforation Area	mm ² /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

Mohammad Afaq

