

Auditing Test Report

Report No.: SA13-4043/12

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 700 ES * 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 700 ES HP

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	Test Type	Unit	Sample 1	Sample 2	Sample 3	Req.	Result
Pipes	Marking (visual Inspection)	-	✓	✓	✓	✓	✓
	Crushing Strength	KN/m	105	115	110	≥ 90	✓
	Internal Barrel Diameter "D1"	mm	708	700	705	≥ 682	✓
	Length	mm	2010	2015	2005	2000 ^{+5%} _{-2%}	✓
	Deviation from Straightness	mm	0.5	0.4	0.4	< 3.0	✓
	Perforation Area	mm ² /m	10215.2			≥ 2100	✓
	Water Absorption	%	5.4	5.3	5.2	≤ 6%	✓
Joint Assembly	Joint Interchangeability	mm	871.3	871.3	871.2	871 ± 0.5	✓
	Continuity of Invert	mm	5.4	5.1	5.2	≤ 7.0	✓

FUGRO - SUHAIMI LTD

Mohammad Afaq

