

Auditing Test Report

Report No.:SA13-4043-15

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 1000 ES * 2000 mm Half Perforated

Jointing System: System C

Class: 95

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 1000 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	112	105	115	≥ 95	✓
	Internal Barrel Diameter "D1"	mm	1010	1004	1007	≥ 975	✓
	Length	mm	2010	2005	2008	2000 ^{+5%} _{-2%}	✓
	Deviation from Straightness	mm	1.5	1.8	1.5	< 3.0	✓
	Perforation Area	mm ² /m	10215.1			≥ 3000	✓
	Water Absorption	%	5.7	5.8	5.9	≤ 6 %	✓
Joint Assembly	Joint Interchangeability	mm	1203.2	1202.9	1202.9	1203 ± 0.5	✓
	Continuity of Invert	mm	6.5	6.7	6.8	≤ 10.0	✓

FUGRO - SUHAIMI LTD

Neesar Ahmed

