

Auditing Test Report

Report No. SA13-4043/7

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 500 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 500 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	76	74	≥ 65	✓
	Internal Barrel Diameter "D1"	mm	500	501	503	≥ 487	✓
	Length	mm	2020	2010	2003	2000 ^{+5%} _{-2%}	✓
	Deviation from Straightness	mm	1.7	1.4	2	< 4.0	✓
	Perforation Area	mm ² /m	10215.1			≥ 1500	✓
	Water Absorption	%	4.3	4.4	4.2	≤ 6 %	✓
Joint Assembly	Joint Interchangeability	mm	605.0	605.2	604.9	605 ± 0.5	✓
	Continuity of Invert	mm	3.3	3.3	3.7	≤ 5.0	✓

FUGRO - SUHAIMI LTD

Mohammad Afaq

