

Auditing Test Report

Date: 12/7/2017

Lab No. : 40155-4

Client

Saudi Vitrified Clay Pipe Co.
P.O. Box 6415
Riyadh 11442
Kingdom of Saudi Arabia

Sampling Date:

10/7/2017

Testing Date:

11/7/2017

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: 160

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

	Test Type	Unit	Sample 1	Sample 2	Sample 3	Req.	Result
Pipes	Marking (visual Inspection)	-	✓	✓	✓	✓	✓
	Crushing Strength	KN/m	42	44	39	≥ 32	✓
	Internal Barrel Diameter "D1"	mm	199.5	199	200	≥ 195	✓
	Length	mm	1510	1515	1505	1500 ^{+5%} _{-2%}	✓
	Deviation from Straightness	mm	2.5	2.1	1.9	< 5.0	✓
	Perforation Area	mm ² /m	7075.46			≥ 600	✓
	Water Absorption	%	3.2	3.5	2.5	≤ 6 %	✓
Joint Assembly	Joint Interchangeability	mm	260.2	260.2	260.4	260 ± 0.5	✓
	Continuity of Invert	mm	1.8	2.4	1.3	≤ 4	✓
	Chemical Resistant	% loss	0.17% & 0.18%, Two test pieces have been immersed totally in 500 ml of H ₂ SO ₄ & NaOH solutions for 48 h at a temperature of (20 ± 5) °C			0.1% to 0.25%	✓

FUGRO - SUHAIMI LTD

Anil K Mathew

