

Auditing Test Report

Date: 12/1/2017

No. : 40078-13

Client

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

Sampling Date:

10/1/2017

Testing Date:

11/1/2017

Auditing Purpose:

Testing of Perforated Vitrified Clay Pipes jointed by system C according to EN 295-5:2013

Size Description:

Nominal Size: DN 800 * 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

	Test Type	Unit	Sample 1	Sample 2	Sample 3	Req.	Result
Pipes	Marking (visual Inspection)	-	✓	✓	✓	✓	✓
	Crushing Strength	KN/m	112	111.5	107.8	≥ 96	✓
	Internal Barrel Diameter "D1"	mm	802.5	800.2	799	≥ 780	✓
	Length	mm	2004	2005	2003	2000 ^{+5%} _{-2%}	✓
	Deviation from Straightness	mm	0	0.3	0.1	< 3.0	✓
	Perforation Area	mm ² /m	10215.2			≥ 2400	✓
	Water Absorption	%	5.7	5.8	5.8	≤ 6 %	✓
Joint Assembly	Joint Interchangeability	mm	976	976.2	975.9	976 ± 0.5	✓
	Continuity of Invert	mm	6.2	6.5	5.9	≤ 8.0	✓
	Chemical Resistant	% loss	0.16% & 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

ANEL K MATHEW

