

## Auditing Test Report

Report No. SA13-4043-10

Date: 21/01/2021

### Client

Saudi Vitrified Clay Pipe Co.

P.O. Box 6415

Riyadh 11442

Kingdom of Saudi Arabia

Sampling Date: 16/01/2021

Test Date: 17/01/2021

### Auditing Purpose:

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

### Size Description:

Nominal Size: DN 600 \* 2000 mm Half Perforated

Joining 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 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 600 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	110	112	117	≥ 96	✓
	Internal Barrel Diameter "D1"	mm	603	602	600	≥ 585	✓
	Length	mm	2015	2010	2010	2000 <sup>+5%</sup> <sub>-2%</sub>	✓
	Deviation from Straightness	mm	0.7	0.6	0.5	< 3.0	✓
	Perforation Area	mm <sup>2</sup> /m	10215.2			≥ 1800	✓
	Water Absorption	%	5.5	5.7	5.7	≤ 6 %	✓
Joint Assembly	Joint Interchangeability	mm	758.2	757.9	758.1	758 ± 0.5	✓
	Continuity of Invert	mm	4.2	4.3	4.1	≤ 6.0	✓

*Abdul Ghafoor Khawaja*

FUGRO - SUHAIMI LTD

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