

Auditing Test Report

Date:

10/01/2024

Report No.: SA13-4043/10

Client

Sampling Date:

06/01/2024

Saudi Vitrified Clay Pipe Co.

P.O. Box 6415

Test Date:

07/01/2024

Riyadh 11442

Kingdom of Saudi Arabia

Auditing Purpose:

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

Size Description:

Nominal Size:

DN 600 ES * 2000 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 pipes & fittings"

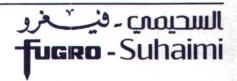
EN 295-2:2013

"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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Pipes	Test Type	Unit	Sample 1	Sample 2	Sample 3	Req.	Result
	Marking (visual Inspection)	-	√	✓	✓	~	/
	Crushing Strength	KN/m	110	104	109	≥ 96	/
	Internal Barrel Diameter "D1"	mm	603	605	604	≥ 585	/
	Length	mm	2015	2005	2010	2000 +5% -2%	/
	Deviation from Straightness	mm	0.7	0.9	0.5	< 3.0	1
	Perforation Area	mm²/m		10215.2	5	≥ 1800	/
	Water Absorption	%	5.5	5.4	5.5	≤6%	/
Joint Assembly	Joint Interchangeability	mm	758.2	757.9	758.3	758 ± 0.5	1
	Continuity of Invert	mm	4.2	4.3	4.2	≤ 6.0	1

FUGRO - SUHAIMI LTD

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