

Auditing Test Report

Report No. 258816/14

Date: 21/07/2024

Client

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

Sampling Date: 17/07/2024

Test Date: 18/07/2024

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 Locally 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 LP

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	Test Type	Unit	Sample 1	Sample 2	Sample 3	Req.	Result
Pipes	Marking (visual Inspection)	-	✓	✓	✓	✓	✓
	Crushing Strength	KN/m	107	110	112	≥ 96	✓
	Internal Barrel Diameter "D1"	mm	602	599	600	≥ 585	✓
	Length	mm	2010	2015	2005	2000 ^{+5%} _{-2%}	✓
	Deviation from Straightness	mm	0.6	0.8	0.7	< 3.0	✓
	Perforation Area	mm ² /m	13133.6			≥ 1800	✓
	Water Absorption	%	5.6	5.8	5.6	≤ 6 %	✓
Joint Assembly	Joint Interchangeability	mm	758.4	758.2	758.1	758 ± 0.5	✓
	Continuity of Invert	mm	4.2	4.4	4.2	≤ 6.0	✓

FUGRO - SUHAIMI LTD

Mohammad Afaq

