Hellenic Accreditation System

Annex F1/16 to the Certificate No. **113**-5

SCOPE of ACCREDITATION

of the

Laboratory Testing Center

of the

Corinth Pipeworks S.A.

Materials / Products to be tested	Types of test / Properties to be measured	Applied methods / Techniques to be used
Mechanical tests		
Metallic Materials	1. Tensile Test on Metallic Materials / Tensile Strength (N/mm^2), Yield Point (N/mm^2), Elongation (%)	ASTM E8/E8M-21 ISO 6892-1: 2019 (0-1200)kN
	2. Impact (Charpy) Test / Impact resistance (J)	ASTM E23-18 ISO 148-1: 2016 (0-750)J
	3. Bend Test	ISO 5173: 2009+A1:2011 (0-180)°
	4. Vickers Hardness / Hardness (HV)	ISO 6507-1: 2018 HV10 (450HV10 max)
Chemical tests		
Carbon and low-alloy steel	Analysis with atomic emission spectrometry	ASTM E415-17

Materials / Products to be tested	Types of test / Properties to be measured	Applied methods / Techniques to be used
Non-destructive tests		
Steel strip/plate used for the manufacture of welded steel tubes	1. Ultrasonic Test (Thickness 6,4 – 40mm)	EN ISO 10893-9: 2011 & A1:2020 ASTM A435/A435M-17
Weld of welded steel tubes		EN ISO 17640: 2018 EN ISO 10893-8: 2011 & A1:2020 EN ISO 10893-11: 2011 & A1:2020 ASTM E273-20 ASTM E587-15 (2020)
Weld of welded steel tubes	2. Radiographic inspection using X-rays (Penetration thickness ≤40mm)	EN ISO 17636-1: 2013 EN ISO 17636-2: 2013 EN ISO 10893-6: 2019 EN ISO 10893-7: 2019 ASTM E94/E94M-17

Site of assessment: **Permanent laboratory premises, Thisvi Plant, Viotia, Greece.**
Approved signatories: **Tazedakis Ath., Armakolas I., Stathi I., Tasios L. (**Mechanical/Chemical Tests**), Tazedakis Ath., Voudouris N., Tsakoumas Th., (**Non-destructive Tests**)**

This Scope of Accreditation replaces the previous one dated August 27th, 2020.
The Accreditation Certificate No. **113**-5, to ELOT EN ISO/IEC 17025: **2017**, is valid until 9.1.2023.

Athens, January 19th, 2022

Christos Nestoras
CEO of ESYD