Hellenic Accreditation System

Annex F1/10 to the Certificate No.**758**-5

SCOPE of ACCREDITATION

of the

Chemical Analysis Testing Laboratory

of the

Hellenic Gas Transmission System Operator (DESFA) SA

Tested materials / products	Types of test / Properties to be measured	Applied standards / Techniques to be used
Chemical Tests		
Natural gas	Determination of %mol/mol amount fractions [C1, C2, C3, i-C4, n-C4, i-C5, n-C5, C6+, N_2, CO_2] by gas-chromatographic analysis	According to ISO 6974-1:2012
	Calculation from %mol/mol amount fraction: * - Superior calorific value (real gas) - Inferior calorific value (real gas) - Relative density (real gas) - Density (real gas) - Superior Wobbe index (real gas) - Inferior Wobbe index (real gas) - Molar mass - Compressibility factor * Restriction of calculations to gas mixtures with compressibility factor greater than 0,9 at reference conditions.	According to ISO 6976:2016

Tested materials / products	Types of test / Properties to be measured	Applied standards / Techniques to be used
Natural gas (continued)	Calculation from %mol/mol amount fraction: - Carbon dioxide emission factor (ideal gas superior calorific value) - Carbon dioxide emission factor (ideal gas inferior calorific value) - Carbon dioxide emission factor (real gas volume)	Internal laboratory method OE17.06 05 based on guide of UK Department of Energy & Climate Change: "Guidance on provision of UK natural gas supply quality data relevant to the EU emissions trading scheme – for emissions prior to January 1st 2013" issue C: April 2012

Site of assessment: **Laboratory permanent premises, DESFA/Revythoussa LNG Terminal, Greece**
Approved signatories: **E. Karantanas, K. Tsakou, N. M. Moneos.**

This Scope of Accreditation replaces the previous one dated 16.01.2024.
The Accreditation Certificate No.**758**-5, to ELOT EN ISO/IEC 17025:2017, is valid until 27.07.2028.

Athens, 29.01.2024

Christos Nestoras
CEO of ESYD