Annex to declaration of accreditation (scope of accreditation)
Normative document: EN ISO/IEC 17025:2017
Registration number: **L 244**

of **Nederlandse Aardolie Maatschappij B.V.**
Productie Chemie Laboratorium

This annex is valid from: **16-11-2022** to **01-01-2025** Replaces annex dated: **19-11-2020**

Location(s) where activities are performed under accreditation

Head Office

Schepersmaat 2
9405 TA
Assen
The Netherlands

Location	Abbreviation/ location code
Schepersmaat 2 9405 TA Assen The Netherlands	AS
Oostoeverweg 10 1786 PT Den Helder The Netherlands	DE
Paston Rd Bacton United Kingdom	BA

No.	Material or product	Type of activity[1]	Internal reference number	Location
		Anorganic analysis		
1	Glycol	Determination of Chloride; titration	V022 in-house method	AS, DE

[1] If there is a referral to a code starting with NAW, NAP, EA or IAF, this concerns a scheme mentioned on the RvA-BR010-lijst.
If no date or version number is mentioned for a normative document, the accreditation concerns the most current version of the document or scheme.

This annex has been approved by the Board of the Dutch Accreditation Council, on its behalf,

J.A.W.M. de Haas

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No.	Material or product	Type of activity[1]	Internal reference number	Location
2	Water*	Determination of Chloride; titration	W262 in-house methode	AS, DE
3	Water	Determination of the content of anions (Chloride, Bromide, Sulphate, Phosphate); Ion Chromatography in combination with conductivity detection	W723 in-house method	AS
4	Water	Determination of the content of suspended solids; filtration	W103 EN 872	BA
5		Determination of the content of Chemical Oxygen Demand (COD); Closed Tube Method	W126 ISO 15705	BA
6	Natural gas condensate**	Determination of the density; digital density meter	O321 DHR O121 ASTM D5002	AS DE
7		Determination of the total content of Mercury; Pyrolysis in combination with AAS	O811 in-house method	AS DE
8	Water*	Determination of the total content of Mercury; Pyrolysis in combination with AAS	W811 in-house method	AS DE
		Organic Analysis		
9	Natural Gas	Determination of hydrogen, nitrogen and inert gasses and hydrocarbons from methane to octane (C1 to C8); Gas Chromatography Calculation of the Gross Heating Value, Density, Relative Density and Wobbe Index based on the gas composition in molar %	G032 NEN EN-ISO 6974 part 1 to 6 I-14.03 ISO 6976-1995. Combustion reference temperature: 298.15K, metering reference conditions: real gas, 273.15K, 101.325kPa	AS

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No.	Material or product	Type of activity[1]	Internal reference number	Location
10	Natural Gas	Determination of hydrogen, nitrogen and inert gasses and hydrocarbons from methane to heneicosane (C1 to C21); Gas Chromatography	G042 ISO 6975	AS
		Calculation of the Gross Heating Value, Density, Relative Density and Wobbe Index based on the gas composition in molar %	I-14.03 ISO 6976-1995. Combustion reference temperature: 298.15K, metering reference conditions: real gas, 273.15K, 101.325kPa	
11	Water and glycol	Determination of the content of glycols (Mono Ethylene glycol, Di Ethylene Glycol, Tri Ethylene Glycol); Gas Chromatography	W762 in-house method	AS
12	Water*	Determination of the total content of Mercury; Lumex Pyrolizer	W811 in-house method	AS
13		Determination of the total content of methano; Gas Chromatography	W821 in-house method	AS
14		Determination of the content of benzene and mineral oil including Aromatics; Gas Chromatography	DHR W643 in-house method	DE
15		Determination of the content of mineral oil; Gas Chromatography	DHR W643 ~~equivalent to~~ OSPAR Reference Method of Analysis for the Determination of the Dispersed Oil Content in Produced Water (Reference number: 2005-15)	DE

Water: all sorts of water, ranging from demineralized water to salt saturated water as these appear in NAM and Shell's production process (including rainwater, environmental water and ground water)
** Natural Gas Condensate: (a mixture of hydrocarbons ranging from C4 to C40 that is released with the production of natural gas and is liquid at standard conditions).