

Annex to declaration of accreditation (scope of accreditation)
Normative document: EN ISO/IEC 17025:2017
Registration number: **L 050**

of **Incolab Services B.V.**
Laboratory

This annex is valid from: **20-09-2023** to **01-12-2025**

Replaces annex dated: **19-10-2022**

Location(s) where activities are performed under accreditation

Head Office

Röntgenstraat 3
3261 LK
Oud-Beijerland
The Netherlands

Location	Abbreviation/ location code
Röntgenstraat 3 3261 LK Oud-Beijerland The Netherlands	A

No.	Material or product	Type of activity¹	Internal reference number	Location
Sampling Preparation				
a.	Coal and Coke Petroleum coke	Grinding and preparation on behalf of all mentioned tests	WS 25 ISO 18283 ASTM D 2013	A
b.	Solid biofuels (SBF) Solid recovered fuels (SRF)	Grinding and preparation on behalf of all mentioned tests	WS 25.1 ISO 14780 EN 15443 (2011) EN 15413 (2011) ISO 21646 NTA 8200 (2002)	A

¹ If there is a referral to a code starting with NAW, NAP, EA or IAF, this concerns a scheme mentioned on RvA-BR010-list.
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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Analysis				
1.	Coal and coke Petroleum coke	Determination of total moisture content, by gravimetric method	WS 1 Coal: ISO 589 method B2 ASTM D 2961 Coke: ISO 579 ASTM D 2961 Petroleum coke: ASTM D 4931	A
2.	Coal and coke Petroleum coke	Determination of total moisture content, by gravimetric two-stage method	WS 2 Coal and Coke: ISO 589 method A2 ASTM D 3302 procedure B Petroleum coke: ASTM D 4931	A
3.	Coal and coke Petroleum coke	Determination of inherent moisture content, by gravimetric method	WS 3 Coal and Coke: ISO 11722 ASTM D 3173 Petroleum coke: ASTM D 4931	A
4.		Determination of ash content, by gravimetric method	WS 4 Coal and Coke: ISO 1171 ASTM D 3174 Petroleum coke: ASTM D 4422	A

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5.		Determination of volatile matter content, by gravimetric method	WS 5 Coal and Coke: ISO 562 or ASTM D 3175 Petroleum coke: ASTM D 6374	A
		Calculation of fixed carbon content	WS 21 ISO 17246 or ASTM D 3172	
6.	Coal and coke Petroleum coke	Determination of gross and net calorific value, by bomb calorimetric method	WS 6 + WS 21 Coal and Coke: ISO 1928 ASTM D 5865 Petroleum coke: ASTM D 5865	A
7.		Determination of sulphur content, by high temperature combustion IR method	WS 19 Coal and Coke: ISO 19579 ASTM D 4239 method A Petroleum coke: ASTM D 1552 method A	A
8.	Coal	Determination of free-swelling index, by heating in a covered crucible	WS 8 Coal: ISO 501 ASTM D 720	A
9.	Coal Petroleum coke	Determination of grindability, by using a hard grove machine	WS 9 Coal: ISO 5074 ASTM D 409 Petroleum coke: ASTM D 5003	A

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No.	Material or product	Type of activity ¹	Internal reference number	Location
10.	Coal and coke Petroleum coke	Determination of carbon, hydrogen content, by IR method and nitrogen content, by thermal conductivity method. Calculation of oxygen content Calculation of carbon dioxide emission factor	WS 10 Coal and Coke: C, H, N ISO 29541 ASTM D 5373 Coal and coke O: ISO 1170 ASTM D 3176 Petroleum coke: C,H,N: ASTM D 5291 Petroleum Coke: O: ASTM D 3176 WS 21 Directive 2003/87/EC Commission regulation EU 601/2012	A
11.	Coal and coke	Determination of boron content, by ICP-AES method	WS 11 AS 1038.10.3 ASTM D 8213 method D	A
12.		Determination of chlorine and fluorine content, by ion chromatography method	WS 12 Cl: ISO 18806 ASTM D 8247 F: ISO 11724 ASTM D 8247	A
13.	Coal	Determination of sulphur forms content (sulfate, pyritic, organic), ICP-AES method	WS 14 ASTM D 8214	A
14.		Determination of total mercury content, by direct combustion and atomic absorption spectroscopy method	WS 18 ASTM D 6722	A
15.	Coal	Determination of content of selenium (Se), by inductively coupled plasma mass spectrometer (ICP-MS) method	WS 31 in house method	A

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16.	Ash from coal or coke	Determination of fusibility, by high temperature tube method	WS 15 ISO 540 ASTM D 1857	A
17.		Determination of sulphur content, by high temperature combustion IR method	WS 19 ASTM D 5016	A
18.		Determination of content of following major elements, by inductively coupled plasma atomic emission (ICP-AES): Al, Ba, Ca, Fe, K, Mg, Mn, Na, P, Si, Sr, Ti	WS 16 ASTM D 6349	A
19.		Determination of content of following minor and trace elements, by inductively coupled plasma mass spectrometer (ICP-MS) method As, Be, Cd, Co, Cr, Cu, Mn, Mo, Ni, Pb, Sb, V, Zn; Sn, Te and Tl: in house method	WS 17 As, Be, Cd, Co, Cr, Cu, Mn, Mo, Ni, Pb, Sb, V, Zn: ASTM D 6357 Sn, Te and Tl: in house method	A
20.	Solid biofuels (SBF) Solid recovered fuels (SRF/RDF)	Determination of total moisture content, by gravimetric method	WS 1.1 SBF: ISO 18134-1 SRF: CEN/TS 15414-1	A
21.		Determination of inherent moisture content, by gravimetric method	WS 3 SBF: ISO 18134-3 SRF: ISO 21660-3 EN 15414-3 (2011)	A
22.		Determination of ash content, by gravimetric method	WS 4 SBF: ISO 18122 SRF: ISO 21656 EN 15403 (2011)	A
23.		Determination of gross and net calorific value, by bomb calorimetric method	WS 6 SBF: ISO 18125 SRF: EN 15400, ISO 21654	A

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24.		Determination of sulphur content, by high temperature combustion IR method	WS 19 SBF and SRF: in house method	A
25.		Determination of chlorine and fluorine content, by ion chromatography method	WS12 SBF and SRF: in-house method	A
26.		Determination of total mercury content, by direct combustion and atomic absorption spectroscopy	WS 18 SBF: ISO 16968 SRF: EN 15411	A
27.		Determination of carbon, hydrogen content by IR method and nitrogen content, by thermal conductivity method. Calculation of oxygen by difference Calculation of carbon dioxide emission factor	WS 10 SBF: C,H,N: ISO 16948 O: ISO 16993 SRF: C,H,N: EN 15407, ISO 21663 O: ISO 16993 WS 21 Directive 2003/87/EC Commission regulation EU 601/2012	A
28.		Determination of content of following minor and trace elements, by inductively coupled plasma mass spectrometer (ICP-MS) method: As, Be, Cd, Co, Cr, Cu, Mn, Mo, Ni, Pb, Sb, Se, Sn, Te, Ti, V, Zn	WS 17 SBF: As, Cd, Co, Cr, Cu, Mn, Mo, Ni, Pb, Sb, V, Zn: ISO 16968 Be, Sn, Te, Ti: in house method SRF: As, Be, Cd, Co, Cr, Cu, Mn, Mo, Ni, Pb, Sb, Te, Ti, V, Zn: EN 15411 Sn: in house method WS 31 SBF and SRF: Se: in house method	A
29.	Solid recovered fuels (SRF/RDF)	Biomass content, by selective dissolution method	WS 24 ISO 21644 EN 15440 (2011)	A
30.	Ash from biomass fuel	Determination of content of following major elements, by inductively coupled plasma atomic emission (ICP-AES) method: Al, Ba, Ca, Fe, K, Mg, Mn, Na, P, Si, Sr, Ti	WS 16 Al, Ca, Fe, K, Mg, Na, P, Si, Ti: NTA 8200 (2002) Ba, Mn, Sr: in house method	A

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31.		Determination of sulphur content, by high temperature combustion IR method	WS 19 in-house method	A