

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: **17-06-2020 to 01-12-2021**

Replaces annex dated: **23-10-2019**

**Location(s) where activities are performed under accreditation**

**Head Office**

Röntgenstraat 3  
 3261 LK  
 Oud-Beijerenland  
 The Netherlands

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

No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
<b>Sampling Preparation</b>				
a.	Solid mineral fuels (Coal and Coke)  Petroleum coke	Grinding and preparation on behalf of all mentioned tests	WS 25 ISO 18283 or 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, EN 15413 or NTA 8200:2002	A

**Analysis**

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

J.A.W.M. de Haas

<sup>1</sup> If there is a referral to a code starting with NAW, NAP, EA or IAF, this concerns a scheme mentioned on [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.

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No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
1.	Solid mineral fuels (Coal and coke)  Petroleum coke	Determination of total moisture content, by gravimetric method	WS 1  Coal: ISO 589 method B2 or ASTM D 2961  Coke: ISO 579 or ASTM D 2961  Petroleum coke: ASTM D 4931	A
2.	Solid mineral fuels (Coal and coke)  Petroleum coke	Determination of total moisture content, by gravimetric two-stage method	WS 2  Coal and Coke: ISO 589 method A2 or ASTM D 3302 procedure B  Petroleum coke: ASTM D 4931	A
3.	Solid mineral fuels (Coal and coke)  Petroleum coke	Determination of inherent moisture content, by gravimetric method	WS 3  Coal and Coke: ISO 11722 or ASTM D 3173  Petroleum coke: ASTM D 4931	A
4.		Determination of ash content, by gravimetric method	WS 4  Coal and Coke: ISO 1171 or ASTM D 3174  Petroleum coke: ASTM D 4422	A
5.		Determination of volatile matter content, by gravimetric method   Calculation of fixed carbon content	WS 5  Coal and Coke: ISO 562 or ASTM D 3175 Petroleum coke: ASTM D 6374   WS 21 ISO 17246 or ASTM D 3172	A
6.	Solid mineral fuels (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 or ASTM D 5865  Petroleum coke: ASTM D 5865	A

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7.	Solid mineral fuels (Coal and coke)  Petroleum coke	Determination of sulphur content, by high temperature combustion IR method	WS 19  Coal and Coke: ISO 19579 or ASTM D 4239 method A Petroleum coke: ASTM D 1552	A
8.	Solid mineral fuels (Coal)	Determination of free-swelling index, by heating in a covered crucible	WS 8 Coal: ISO 501 or ASTM D 720	A
9.	Coal  Petroleum coke	Determination of grindability, by using a hard grove machine	WS 9 Coal: ISO 5074 or ASTM D 409  Petroleum coke: ASTM D 5003	A
10.	Solid mineral fuels (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 or ASTM D 5373 O: ISO 1170 or ASTM D 3180  Petroleum coke: C,H,N: ASTM D 5291 O: ASTM D 3180  WS 21 Directive 2003/87/EC in accordance with Commission regulation EU 601/2012	A
11.	Solid mineral fuels (Coal and coke)	Determination of boron content, by ICP-AES method	WS 11 AS 1038.10.3 or ASTM D 8213 method D	A
12.		Determination of chlorine and fluorine content, by ion chromatography method	WS 12 Cl: ISO 18806 or ASTM D 8247 F: ISO 11724, ASTM D 8247 or ASTM D 5987	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

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15.	Coal	Determination of content of selenium (Se), by inductively coupled plasma mass spectrometer (ICP-MS) method	WS 31 in house method	A
16.	Ash from coal or coke	Determination of fusibility, by high temperature tube method	WS 15 ISO 540 or 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, Sn, Te, Ti, V, Zn,	WS 17 As, Be, Co, Cr, Cu, Mn, Mo, Ni, Pb, Cd, Sb, V, Zn: ASTM D 6357 Sn, Te and Ti: in house method	A
20.	Solid biofuels (SBF)	Determination of total moisture content, by gravimetric method	WS 1.1 SBF: ISO 18134-1	A
	Solid recovered fuels (SRF/RDF)		SRF: CEN/TS 15414-1	
21.	Solid recovered fuels (SRF/RDF)	Determination of inherent moisture content, by gravimetric method	WS 3 SBF: ISO 18134-3 SRF: EN 15414-3	A
22.		Determination of ash content, by gravimetric method	WS 4 SBF: ISO 18122 SRF: EN 15403	A
23.		Determination of gross and net calorific value, by bomb calorimetric method	WS 6 SBF: ISO 18125 SRF: EN 15400	A
24.		Determination of sulphur content, by high temperature combustion IR method	WS 19 SBF and SRF: in-house method	A

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25.	Solid biofuels (SBF)	Determination of chlorine and fluorine content, by ion chromatography method	WS12 SBF and SRF: in-house method	A
26.	Solid recovered fuels (SRF/RDF)	Determination of total mercury content, by direct combustion and atomic absorption spectroscopy	WS 18 SBF and SRF: in-house method	A
27.	Solid biofuels (SBF)  Solid recovered fuels (SRF/RDF)	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 O: ISO 16993  WS 21 Directive 2003/87/EC in accordance with 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 EN 15440	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
31.		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, Sn, Te, Ti, V, Zn	WS 17 in-house method (digestion in accordance with ASTM D 6357, measurement in accordance with NTA 8200:2002)	A

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32.	Ash from biomass fuel	Determination of sulphur content, by high temperature combustion IR method	WS 19 in-house method	A