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AB 103

Full Member of FOSFA and GAFTA



Certificate of Analysis No S-3423/2024

Customer:

KAREBA GmbH
Munsterstr. 10
28277 Bremen

Sample delivery date:

09-12-2024

Analysis start date:

10-12-2024

Material / Product

węgiel kamienny

Analysis complete date:

13-12-2024

Declared sampling method

The sampling method was not declared by Client.

Sample taken and delivered by:

KAREBA Vitaliy Kareba GmbH

Sampling protocol No 534/1/2024

Sample description:

Briketts von Kareba GmbH Quality - 1
Above information included in sample description was declared by the client.
FM/1680534/2024

Seq	Parameter	Analysis method	Acr.	Result	Unit
1	Ash, as received	PN-ISO 1171:2002	A	8,8	%
2	Volatile matter, as received	ISO 562:2010	A	4,6	%
3	Total sulphur, as received	ISO 19579:2006	A	0,32	%
4	Net calorific value, as received	ISO 1928:2020-10	A	24480	kJ/kg
5	Net calorific value, as received	ISO 1928:2020-10	A	5846	kcal/kg
6	Net calorific value, dry	ISO 1928:2020-10	A	29756	kJ/kg
7	Net calorific value, dry	ISO 1928:2020-10	A	7107	kcal/kg
8	Fixed carbon, as received	ISO 17246:2010	A	70,2	%
9	Fixed carbon, dry	ISO 17246:2010	A	84,0	%
10	Emission factor	IWO-01 wyd. 4 z dnia 24.09.2020r.	A	104,97	t CO ₂ /TJ
11	Total moisture	ISO 589:2008 met. B2	A	16,4	%

Notes:

Correction of the certificate due to the change of the sample description.

Net calorific value determined at constant pressure.

The test Results refer to received sample only.

This certificate contains 11 result(s) and cannot be copied in any other way than as a whole document provided that written permission is granted.

The analysis marked the A letter are within scope of the laboratory accreditation under PCA No AB 103.

Department, name and signature of the person authorizing the report and items of analysis:

Spectrometric Analyses and Solid Fuels Laboratory Tel. No.: 91 44 18 296 Items: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, Authorizing: mgr Iryna Kuznetsova /
Tel. No.: 914624724 Items: 11, Authorizing: mgr Andrzej Kandybowicz / laboratory section manager