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	No.:	KAL-1/07/2024	Date: 18.07.2024

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1. Sponsor:	Orientir-Budelement LLC Nezalezhnosti blvd 28a Brovary, Kyiv Region 07400 Ukraine
2. Sponsor contact details:	Leonid Balenko
3. Test method:	PN-EN 1716:2018-08 Reaction to fire tests for products – Determination of the gross heat of combustion (calorific value)
4. Purpose of test:	Control tests
5. Identification of the product (specimen) based on the customer's statement:	
5.1 Identification of the product:	Aerated concrete blocks SONELIGHT 300x200x600mm, G, D500 (S1) Autoclaved aerated concrete wall blocks made of cement, sand, lime, gypsum, aluminum paste and water. Density D500 End use: building constructions (wall material) Manufactured in Orientyr-Budelement LLC, 28a Nezalezhnosti Boulevard, Browary, Ukraine
5.2. Product reference document:	EN 771-4:2011+A1:2015
5.3. Sample collection data:	No data
5.4. Date and place of sample collection	No data
6. Date of sample arrival to the Laboratory:	25.06.2024
7. Sample condition assessment upon arrival:	No remarks
8. Numbers assigned to specimens:	1 KAL-1/07/2024/8/1
	2 KAL-1/07/2024/8/2
	3 KAL-1/07/2024/8/3
9. Used conditioning procedure:	Until constant weight is obtained
10. Details of conditioning:	Conditioning according to EN 13823 with temperature within 23°C +/-2 °C and relative humidity 50% +/- 5% till obtaining constant weight at least 48 hours.
11. Deviations:	None
12. Test start date:	5.07.2024
13. Test end date:	8.07.2024

14. TEST RESULTS

Specimen number	Gross heat of combustion Q_{PCS} [MJ/kg]
1	0,6218
2	0,7991
3	0,6479

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Average	0,6896
Standard deviation	0,0957
Water equivalent	0,011585
Remarks	None

15. STATEMENTS

15.1	The test results apply only to tested specimens.
15.2	The test results relate to the behavior of the test specimens of the product under the particular conditions of the test; they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use.
15.3	The test report without the written consent of the Laboratory may not be reproduced except in full.

PREPARED BY:

AUTHORIZED BY:

(name, date, signature)

(name, date, signature)