

# **CENTRAL RESEARCH LABORATORY**

## **CNSL at DIAL Ltd.**

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1830, Bukhovo-Sofia, 111 Mina Bukhovo St., dial-ltd.com: Tel. (02) 994 2240, e-mail: lab@dial-ltd.com

Accreditation certificate, Per. No. 73 LI/29.09.2025 valid until 29.09.2029, issued by IA BSA, in accordance with the requirements of standard BDS EN ISO/IEC 17025:2018

Page: 1  
Total sheets: 2

### **TESTING**

#### **OF TESTING**

No. 2025/4989 dated 06.11.2025

1. *Name of the tested samples/specimens/extracts: Waste: sample RX-1 (0019) area Tintyava, Rosino section, Composite sample from flotation waste, town of Ivaylovgrad. Date: 30.10.2025*
2. *Test applicant: Tintyava Exploration AD, 1 Septemvri St., Ivaylovgrad, postal code 6570. The sample was delivered by the customer with a service request.*
3. *Indicators (characteristics) and test method: Specific activity of gamma radionuclides according to BBLM6:2010.*
4. *Date of receipt of samples/specimens for testing in the laboratory: 04.11.2025.*
5. *Number of samples/specimens tested: 1 sample weighing 1.15 kg.*
6. *Date of testing: 04.11-06.11.2025.*

## 7. Test results

No in orde r	Name of indicator	Unit of measurement	Standards/validat ed methods	Sample No. in the incoming/ou tgoing log	Test results (value, uncertainty)	Value and tolerance of the indicator	Test conditions
I	2	3	4	5	6	7	8
1. Specific activity of gamma radionuclides							
-	Potassium-40	Bq/g	BBLM6:2010	0019	$0.933 \pm 0.023$	10	Air temperature: (19.0-20.0)°C; Relative humidity: (50 - 52) %
-	Lead-210				$0.021 \pm 0.009$	1	
-	Lead-214				$0.018 \pm 0.001$	1	
-	Bismuth-214				$0.018 \pm 0.002$	1	
-	Radium-223				$< 0.005$	1	
-	Radium-226				$< 0.017$	1	
-	Thorium-232				$0.029 \pm 0.001$	1	
-	Uranium-238				$0.022 \pm 0.006$	1	
-	Uranium-235				$0.0019 \pm 0.0006$	1	

### NOTES:

1. The test report contains results from accredited activities only.
2. The laboratory activities were performed in the permanent premises and facilities of the CNIL.
3. The test results apply only to the tested samples/specimens/samples.
- 4 \*. The value and tolerance of the indicator are in accordance with the Radiation Protection Ordinance, adopted by Council of Ministers Decree No. 20 of 14.02.2018, amended and supplemented by No. 110 of 29.12.2020, Annex No. 3, Table 3.
5. Excerpts from the test report may not be reproduced without the written consent of the testing laboratory.
6. The laboratory is not responsible for the information provided by the customer, provided that this information may affect the validity of the results.
7. The laboratory is not responsible for the sampling stage when the sample is provided by the customer.

\* - only in cases where the customer has requested it

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Accreditation Service, in accordance with the requirements of standard BDS EN ISO/IEC 17025:2018 Total sheets: 2

### **TESTING**

#### **OF TESTING**

No. 2025/4990 dated 07.11.2025

- 1. Name of the tested samples/specimens/extracts: Material: sample RX-2 (M 365) area Tintyava, Rosino section, composite sample from drill core, borehole RTD-015. Interval: 0.50-10.80 m. Length 10.30 m. Ivaylovgrad. Date: 30.10.2025*
- 2. Test applicant: Tintyava Exploration AD, 1 6-ti Septemvri St., Ivaylovgrad, postal code 6570. The sample was delivered by the customer with a service request. Indicators (characteristics) and test method: Specific activity of gamma radionuclides according to VBLM6:2010.*
- 3. Indicators (characteristics) and testing method: Specific activity of gamma radionuclides according to BBLM6:2010.*
- 4. Date of receipt of samples/specimens for testing in the laboratory: 04.11.2025.*
- 5. Number of samples/specimens tested: 1 sample weighing 1.09 kg.*
- 6. Date of testing: 04.11-07.11.2025.*

## 7. Test results

No No orde r	Name of indicator	Unit of measurement	Standards/validat ed methods	Sample No. in the incoming/ou tgoing	Test results (value, uncertainty)	Value and tolerance of the indicator	Test conditions
I	2	3	4	5	6	7	8
1. Specific activity of gamma radionuclides							
-	Potassium-40	Bq/g	BBLM6:2010	M 365	1,000 ±0.021	10	Air temperature: (19.0-20.0)°C; Relative humidity: (50 - 52) %
-	Lead-210				0.017 ±0.007	1	
-	Lead-214				0.022 ±0.001	1	
-	Bismuth-214				0.021 ±0.001	1	
-	Radium-223				<0.005	1	
-	Radium-226				< 0.010	1	
-	Thorium-232				0.041 ±0.001	1	
-	Uranium-238				0.034 ± 0.006	1	
-	Uranium-235				0.0029 ± 0.0003	1	

### NOTES:

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  - The test results apply only to the tested samples/specimens/samples.
  - \*. The value and tolerance of the indicator are in accordance with the Ordinance on Radiation Protection, adopted by Council of Ministers Decree No. 20 of 14.02.2018, amended and supplemented, No. 110 of 29.12.2020, Annex No. 3, Table 3.
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Accreditation certificate, Per. No. 73 LI/29.09.2025 valid until 29.09.2029, issued by the Bulgarian Page 1

Accreditation Service, in accordance with the requirements of standard BDS EN ISO/IEC

Total sheets: 2

17025:2018

## **TESTING**

### **OF TESTING**

No. 2025/4991 dated 07.11.2025

1. *Name of the tested samples/specimens/extracts: Material: sample RX-3 (M 366) area Tintyava, Rosino section, composite sample from drill core, borehole RTD-015. Interval: 10.80-21.00 m. Length 10.20 m. Ivaylovgrad. Date: 30.10.2025*
2. *Test applicant: Tintyava Exploration AD, 1 6th September Street, Ivaylovgrad, postal code 6570. The sample was delivered by the customer with a service request.*
3. *Indicators (characteristics) and testing method: Specific activity of gamma radionuclides according to BBLM6:2010.*
4. *Date of receipt of samples/specimens for testing in the laboratory: 04.11.2025.*
5. *Number of samples/specimens tested: 1 sample weighing 1.06 kg.*
6. *Date of testing: 04.11-07.11.2025.*

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## 7. Test results

No.	Name of indicator	Unit of measurement	Standards/validated methods	Sample No. in the incoming/outgoing log	Test results (value, uncertainty)	Value and tolerance of the indicator	Test conditions
1	2	3	4	5	6	7	8
1. Specific activity of gamma radionuclides							
-	Potassium-40	Bq/g	BBLM6:2010	M 366	$0.968 \pm 0.033$	10	Air temperature: (19.0-20.0)°C; Relative humidity: (50 - 52) %
-	Lead-210				$0.031 \pm 0.012$	1	
-	Lead-214				$0.029 \pm 0.001$	1	
-	Bismuth-214				$0.028 \pm 0.001$	1	
-	Radium-223				$< 0.005$	1	
-	Radium-226				$0.032 \pm 0.012$	1	
-	Thorium-232				$0.039 \pm 0.001$	1	
-	Uranium-238				$0.029 \pm 0.005$	1	
-	Uranium-235				$< 0.001$	1	

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(= PI<sup>5</sup> LABORATORY MANAGER:

/Eng. T.

TEST PERFORMED BY:

# **CENTRAL RESEARCH LABORATORY**

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Sheet 1

Total sheets: 2

## **TESTING**

OF TESTING

No. 2025/4992 of 07.11.2025

- 1. Name of the tested samples/specimens/extracts: Material: sample RX-4 (M 367) area Tintyava, Rosino section, composite sample from drill core, borehole RTD-015. Interval: 21.00-31.00 m. Length 10.00 m. Ivaylovgrad. Date: 30.10.2025*
- 2. Test applicant: Tintyava Exploration AD, 1 6th September Street, Ivaylovgrad, postal code 6570. The sample was delivered by the customer with a service request.*
- 3. Indicators (characteristics) and testing method: Specific activity of gamma radionuclides according to BBLM6:2010.*
- 4. Date of receipt of samples/specimens for testing in the laboratory: 04.11.2025.*
- 5. Number of samples/specimens tested: 1 sample weighing 1.08 kg.*
- 6. Date of testing: 04.11-07.11.2025.*

## 7. Test results

No in order	Name of indicator	Unit of measurement	Standards/validated methods	Sample No. in the incoming/outgoing log	Test results (value, uncertainty)	Value and tolerance of the indicator	Test conditions
1	2	3	4	5	6	7	8
1. Specific activity of gamma radionuclides							
	Cadmium-40	Bq/g	BBLM6:2010	M367	0.560	10	Air temperature: (19.0-20.0)°C; Relative humidity: (50-52) %
	Lead-210				0.024 ± 0.005	1	
	Lead-214				0.017 ± 0.001	1	
	Bismuth-214				< 0.003	1	
	Radium-223				< 0.002	1	
	Radium-226				< 0.006	1	
	Thorium-232				< 0.002	1	
	Uranium-238				0.032 ± 0.003	1	
	Uranium-235				< 0.0003	1	

### NOTES:

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LABORATORY:

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## **TESTING**

### **OF TESTING**

No. 2025/4993 of 10.11.2025

- 1. Name of the tested samples/specimens/extracts: Material: sample RX-5 (M 368) area Tintyava, Rosino section, composite sample from drill core, borehole RTD-015. Interval: 31.00-41.10 m. Length 10.10 m. Ivaylovgrad. Date: 30.10.2025*
- 2. Test applicant: Tintyava Exploration AD, 1 6th September Street, Ivaylovgrad, postal code 6570. The sample was delivered by the customer with a service request.*
- 3. Indicators (characteristics) and testing method: Specific activity of gamma radionuclides according to BBLM6:2010.*
- 4. Date of receipt of samples/specimens for testing in the laboratory: 04.11.2025.*
- 5. Number of samples/specimens tested: 1 sample weighing 1.08 kg.*
- 6. Date of testing: 04.11-10.11.2025.*

## 7. Test results

No No order	Name of indicator	Unit of measurement	Standards/validat ed methods	Sample No. in the incoming/ou tgoing log	Test results (value, uncertainty)	Value and tolerance of the indicator	Test conditions
1	2	3	4	5	6	7	8
1. Specific activity of gamma radionuclides							
-	Potassium-40	Bq/g	BBLM6:2010	M 368	0.598 ±0.013	10	Air temperature: (19.0-20.0)°C; Relative humidity: (50-52) %
-	Lead-210				0.109 ±0.008	1	
-	Lead-214				0.015 ±0.001	1	
-	Bismuth-214				0.014 ±0.001	1	
-	Radium-223				< 0.007	1	
-	Radium-226				< 0.031	1	
-	Thorium-230				<0.072	1	
-	Thorium-232				0.024 ±0.001	1	
-	Uranium-238				0.017 ±0.004	1	
-	Uranium-235				< 0.002	1	

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LABORATORY MANAGER

THE LABORATORY:

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17025:2018

Sheet 1

Total sheets: 2

## **TESTING**

OF TESTING

No. 2025/4994 of 10.11.2025

- 1. Name of the tested samples/specimens/extracts: Material: sample RX-6 (M 369) area Tintyava, Rosino section, composite sample from drill core, borehole RTD-015. Interval: 41.10-51.70 m. Length 10.60 m. Ivaylovgrad. Date: 30.10.2025*
- 2. Test applicant: Tintyava Exploration AD, 1 6th September Street, Ivaylovgrad, postal code 6570. The sample was delivered by the customer with a service request.*
- 3. Indicators (characteristics) and testing method: Specific activity of gamma radionuclides according to BBLM6:2010.*
- 4. Date of receipt of samples/specimens for testing in the laboratory: 04.11.2025.*
- 5. Number of samples/specimens tested: 1 sample weighing 1.10 kg.*
- 6. Date of testing: 04.11-10.11.2025.*

## 7. Test results

No in order	Name of indicator	Unit of measurement	Standards/validated methods	Sample No. in the incoming/outgoing log	Test results (value, uncertainty)	Value and tolerance of the indicator	Test conditions
1	2	3	4	5	6	7	8
1. Specific activity of gamma radionuclides							
	Potassium-40	Bq/g	BBLM6:2010	M 369	0.637	10	Air temperature: (19.0-20.0)°C; Relative humidity: (50 - 52)%
	Lead-210				0.017 ±0.005	1	
	Lead-214				0.018 ±0.001	1	
	Bismuth-214				0.009 ±0.001	1	
	Radium-223				< 0.003	1	
	Radium-226				< 0.006	1	
	Thorium-230				0.064 ±0.021	1	
	Thorium-232				< 0.002	1	
	Uranium-238				0.039 ± 0.003	1	
	Uranium-235				0.0013 ±0.0005	1	

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LABORATORY MANAGER  
THE LABORATORY:

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Sheet 1  
Total sheets: 2

### **TESTING**

#### **OF TESTING**

No. 2025/4995 of 10.11.2025

- 1. Name of the tested samples/specimens/extracts: Material: sample RX-7 (M 370) area Tintyava, Rosino section, composite sample from drill core, borehole RTD-015. Interval: 51.70-61.70 m. Length 10.00 m. Ivaylovgrad. Date: 30.10.2025.*
- 2. Test applicant: Tintyava Exploration AD, 1 6th September Street, Ivaylovgrad, postal code 6570. The sample was delivered by the customer with a service request.*
- 3. Indicators (characteristics) and test method: Specific activity of gamma radionuclides according to BBLM6:2010.*
- 4. Date of receipt of samples/specimens for testing in the laboratory: 04.11.2025.*
- 5. Number of samples/specimens tested: 1 sample weighing 1.08 kg.*
- 6. Date of examination: November 4-10, 2025*

## 7. Test results

No in order	Name of indicator	Unit of measurement	Standards/validated methods	Sample No. in the incoming/outgoing log	Test results (value, uncertainty)	Value and tolerance of the indicator	Test conditions
1	2	3	4	5	6	7	8
1. Specific activity of gamma radionuclides							
	Potassium-40	Bq/g	BBLM6:2010	M 370	0.964 ±0.021	10	Air temperature: (19.0-20.0)°C; Relative humidity: (50 - 52) %
	Lead-210				<0.014	1	
	Lead-214				0.020	1	
	Bismuth-214				0.019 ±0.001	1	
	Radium-223				< 0.007	1	
	Radium-226				0.023 ± 0.006	1	
	Thorium-230				< 0.072	1	
	Thorium-232				0.037 ±0.001	1	
	Uranium-238				0.022 ± 0.006	1	
	Uranium-235				< 0.002	1	

### NOTES:

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TEST PERFORMED BY:

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## **TESTING**

### **OF TESTING**

No. 2025/4996 dated 10.11.2025

1. *Name of the tested samples/specimens/extracts: Material: sample RX-8 (M 371) area Tintyava, Rosino section, composite sample from drill core, borehole RTD-015. Interval: 61, 70-71.70 m. Length 10.00 m. Ivaylovgrad. Date: 30.10.2025*
2. *Test applicant: Tintyava Exploration AD, 1 6th September Street, Ivaylovgrad, postal code 6570. The sample was delivered by the customer with a service request.*
3. *Indicators (characteristics) and testing method: Specific activity of gamma radionuclides according to BBLM6:2010.*
4. *Date of receipt of samples/specimens for testing in the laboratory: 04.11.2025.*
5. *Number of samples/specimens tested: 1 sample weighing 1.06 kg.*
6. *Date of testing: 04.11-10.11.2025.*

## 7. Test results

No.	Name of indicator	Unit of measurement	Standards/validated methods	Sample No. in the incoming/outgoing log	Test results (value, uncertainty)	Value and tolerance of the indicator	Test conditions
1	2	3	4	5	6	7	8
1. Specific activity of gamma radionuclides							
-	Potassium-40	Bq/g	BBLM6:2010	M 371	1.231 ±0.042	10	Air temperature: (19.0-20.0)°C; Relative humidity: (50 + 52) %
-	Lead-210				< 0.023	1	
-	Lead-214				0.026 ±0.001	1	
-	Bismuth-214				0.026 ±0.001	1	
-	Radium-223				<0.005	1	
-	Radium-226				0.026 ± 0.007	1	
-	Thorium-230				<0.001	1	
-	Thorium-232				0.045 ±0.001	1	
-	Uranium-238				0.030 ±0.006	1	
-	Uranium-235				0.0011 ±0.0008	1	

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### **TESTING**

#### **OF TESTING**

No. 2025/4997 dated 11.11.2025

1. *Name of the tested samples/specimens/extracts: Material: sample RX-9 (M 372) area Tintyava, Rosino section, composite sample from drill core, borehole RTD-015. Interval: 71.70-81.70 m. Length 10.00 m. Ivaylovgrad. Date: 30.10.2025*
2. *Test applicant: Tintyava Exploration AD, 1 6-ti Septemvri St., Ivaylovgrad, postal code 6570. The sample was delivered by the customer with a service request.*
3. *Indicators (characteristics) and testing method: Specific activity of gamma radionuclides according to BBLM6:2010.*
4. *Date of receipt of samples/specimens for testing in the laboratory: 04.11.2025.*
5. *Number of samples/specimens tested: 1 sample weighing 1.06 kg.*
6. *Date of testing: 04.11-11.11.2025.*

## 7. Test results

No.	Name of indicator	Unit of measurement	Standards/validated methods	Sample No. in the incoming/outgoing log	Test results (value, uncertainty)	Value and tolerance of the indicator	Test conditions
1	2	3	4	5	6	7	8
1. Specific activity of gamma radionuclides							
	Potassium-40	Bq/g	BBLM6:2010	M372	0.815 ±0.027	10	Air temperature: (19.0-20.0)°C: Relative humidity: (50-52) %
	Lead-210				0.020 ± 0.005	1	
	Lead-214				0.021 ±0.001	1	
	Bismuth-214				< 0.002	1	
	Radium-223				< 0.003	1	
	Radium-226				0.028 ± 0.007	1	
	Thorium-230				< 0.065	1	
	Thorium-232				< 0.002	1	
	Uranium-238				0.030 ±0.003	1	
	Uranium-235				< 0.0003	1	

### NOTES:

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  7. The laboratory is not responsible for the sampling stage when the sample is provided by the customer.
- \* - only in cases where the customer has requested it

LABORATORY MANAGER

THE LABORATORY:

# ***CENTRAL RESEARCH LABORATORY***

## **CNIL at DIAL Ltd.**

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*1830, Bukhovo-Sofia, ul. "Mina Bukhovo" No. 111, dial-ltd.com; Tel. (02) 994 2240, e-mail: lab@dial-ltd.com*

Accreditation certificate, Per. No. 73 LI/29.09.2025 valid until 29.09.2029, issued by the Bulgarian Accreditation Service, in accordance with the requirements of standard BDS EN ISO/IEC 17025:2018

Sheet 1

Total sheets: 2

### **TESTING**

#### **OF TESTING**

No. 2025/4998 dated 11.11.2025

- 1. Name of the tested samples/specimens/extracts: Material: sample RX-10 (M 373) area Tintyava, Rosino section, composite sample from drill core, borehole RTD-015. Interval: 81.70-91.80 m. Length 10.1 Ohm. Ivaylovgrad. Date: 30.10.2025*
- 2. Test applicant: Tintyava Exploration AD, 1 6th September Street, Ivaylovgrad, postal code 6570. The sample was delivered by the customer with a service request.*
- 3. Indicators (characteristics) and test method: Specific activity of gamma radionuclides according to BBLM6:2010.*
- 4. Date of receipt of samples/specimens for testing in the laboratory: 04.11.2025.*
- 5. Number of samples/specimens tested: 1 sample weighing 1.06 kg.*
- 6. Date of testing: 04.11-11.11.2025.*

## 7. Test results

No in order	Name of indicator	Unit of measurement	Standards/validated methods	Sample No. in the incoming/outgoing log	Test results (value, uncertainty)	Value and tolerance of the indicator	Test conditions
1	2	3	4	5	6	7	8
1. Specific activity of gamma radionuclides							
-	Potassium-40	Bq/g	BBLM6:2010	M 373	$0.986 \pm 0.034$	10	Air temperature: (19.0-20.0)°C; Relative humidity: (50 - 52) %
-	Lead-210				<0.019	1	
-	Lead-214				$0.023 \pm 0.001$	1	
-	Bismuth-214				$0.022 \pm 0.001$	1	
-	Radium-223				< 0.004	1	
-	Radium-226				$0.026 \pm 0.007$	1	
-	Thorium-230				<0.052	1	
-	Thorium-232				$0.033 \pm 0.001$	1	
-	Uranium-238				$0.021 \pm 0.005$	1	
-	Uranium-235				<0.001	1	

### NOTES:

1. The test report contains results from accredited activities only.
  2. Laboratory activities were performed in the permanent premises and facilities of the CNIL.
  3. The test results apply only to the tested samples/specimens/extracts.
  - 4 \*. The value and tolerance of the indicator are in accordance with the Ordinance on Radiation Protection, adopted by Council of Ministers Decree No. 20 of 14.02.2018, amended and supplemented, No. 110 of 29.12.2020, Annex No. 3, Table 3.
  5. Excerpts from the test report may not be reproduced without the written consent of the testing laboratory.
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- \* - only in cases where the client has requested

# **CENTRAL RESEARCH LABORATORY**

## **CNIL at DIAL Ltd.**

---

1830, Bukhovo-Sofia, ul. "Mina Bukhovo" No. 111, dial-ltd.com; Tel. (02) 994 2240, e-mail: lab@dial-ltd.com

Accreditation certificate, Per. No. 73 LI/29.09.2025 valid until 29.09.2029, issued by the Bulgarian Sheet 1

Accreditation Service, in accordance with the requirements of standard BDS EN ISO/IEC 17025:2018 Total sheets: 2

### **TESTING**

#### **OF TESTING**

No. 2025/4999 of 11.11.2025

1. *Name of the tested samples/specimens/extracts: Material: sample RX-11 (M 374) area Tintyava, Rosino section, composite sample from drill core, borehole RTD-015. Interval: 91.80-102.20 m. Length 10.40 m. Ivaylovgrad. Date: 30.10.2025*
2. *Test applicant: Tintyava Exploration AD, 1 6th September Street, Ivaylovgrad, postal code 6570. The sample was delivered by the customer with a service request.*
3. *Indicators (characteristics) and testing method: Specific activity of gamma radionuclides according to BBLM6:2010.*
4. *Date of receipt of samples/specimens for testing in the laboratory: 04.11.2025.*
5. *Number of samples tested: 1 sample weighing 1.07 kg.*
6. *Date of testing: 04.11-11.11.2025.*

LABORATORY MANAGER

LABORATORY:

## 7. Test results

No. in order	Name of indicator	Unit of measurement	Standards/validated methods	Sample No. in the incoming/outgoing log	Test results (value, uncertainty)	Value and tolerance of the indicator	Test conditions
I	2	3	4	5	6	7	8
1. Specific activity of gamma radionuclides							
	Potassium-40	Bq/g	BBLM6:2010	M 374	0.686	10	Air temperature: (19.0-20.0)°C; Relative humidity: (50 - 52) %
	Lead-210				0.021 ±0.006	1	
	Lead-214				0.018 ±0.001	1	
	Bismuth-214				0.019 ±0.001	1	
	Radium-223				< 0.004	1	
	Radium-226				<0.011	1	
	Thorium-230				< 0.050	1	
	Thorium-232				0.031 ±0.001	1	
	Uranium-238				0.023 ± 0.004	1	
	Uranium-235				0.0019 ±0.0004	1	

### NOTES:

1. The test report contains results from accredited activities only.
  2. Laboratory activities were performed in the permanent premises and facilities of the CNIL.
  3. The test results apply only to the tested samples/specimens/samples.
  - 4 \*. The value and tolerance of the indicator are in accordance with the Radiation Protection Ordinance, adopted by Council of Ministers Decree No. 20 of 14.02.2018, amended and supplemented by No. 110 of 29.12.2020, Annex No. 3, Table 3.
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  7. The laboratory is not responsible for the sampling stage when the sample is provided by the customer.
- \* - only in cases where the client has requested it

LABORATORY MANAGER

THE LABORATORY:

# CENTRAL RESEARCH LABORATORY

## CNRL at "DIAL" Ltd.

---

1830, Bukhovo-Sofia, ul. "Mina Bukhovo" No. 111, dial-ltd.com; Tel. (02) 994 2240, e-mail: lab@dial-ltd.com

Accreditation certificate, Per. No. 73 LI/29.09.2025, valid until 29.09.2029, issued by the Bulgarian Accreditation Service, in accordance with the requirements of standard BDS EN ISO/IEC 17025:2018

Sheet 1

Total sheets: 2

### TESTING

OF TESTING

No. 2025/5000 dated 11.11.2025

1. *Name of the tested samples/specimens/extracts: Material: sample RX-12 (M 375) area Tintyava, Rosino section, composite sample from drill core, borehole RTD-015. Interval: 102.20-112.30 m. Length 10.10 m. Ivaylovgrad. Date: 30.10.2025*
2. *Test applicant: Tintyava Exploration AD, 1 6-ti Septemvri St., Ivaylovgrad, postal code 6570. The sample was delivered by the customer with a service request. Indicators (characteristics) and test method: Specific activity of gamma radionuclides according to VBLM6:2010.*
3. *Indicators (characteristics) and test method: Specific activity of gamma radionuclides according to BBLM6:2010.*
4. *Date of receipt of samples/specimens for testing in the laboratory: 04.11.2025.*
5. *Number of samples/specimens tested: 1 sample weighing 1.16 kg.*
6. *Date of testing: 04.11-11.11.2025.*

LABORATORY MANAGER

LABORATORY:

and  
/7

## 7. Test results

No No order	Name of indicator	Unit of measurement	Standards/validat ed methods	Sample No. in the incoming/ou tgoing log	Test results (value, uncertainty)	Value and tolerance of the indicator	Test conditions
1	2	3	4	5	6	7	8
1. Specific activity of gamma radionuclides							
-	Potassium-40	Bq/g	BBLM6:2010	M 375	0.917 ±0.032	10	Air temperature: (19.0-20.0)°C; Relative humidity: (50 - 52) %
-	Lead-210				< 0.024	1	
-	Lead-214				0.025 ±0.001	1	
-	Bismuth-214				0.024 ±0.001	1	
-	Radium-223				< 0.005	1	
-	Radium-226				0.028 ± 0.006	1	
-	Thorium-230				< 0.089	1	
-	Thorium-232				0.038 ±0.001	1	
-	Uranium-238				0.917 ±0.032	1	
-	Uranium-235				< 0.002	1	

### NOTES:

1. The test report contains results from accredited activities only.
  2. The laboratory activities were carried out in the permanent premises and facilities of the CNIL.
  3. The test results apply only to the tested samples/specimens/extracts.
  - 4 \*. The value and tolerance of the indicator are in accordance with the Radiation Protection Ordinance, adopted by Council of Ministers Decree No. 20 of 14.02.2018, amended and supplemented, No. 110 of 29.12.2020, Annex No. 3, Table 3.
  5. Excerpts from the test report may not be reproduced without the written consent of the testing laboratory.
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- \* - only in cases where the client has requested it

LABORATORY MANAGER:

LABORATORY: ..



# ***CENTRAL RESEARCH LABORATORY***

## **CNRL at "DIAL" Ltd.**

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*1830, Bukhovo-Sofia, ul. "Mina Bukhovo" No. 111, dial-ltd.com; Tel. (02) 994 2240, e-mail: lab@dial-ltd.com*

Accreditation certificate, Per. No. 73 LI/29.09.2025 valid until 29.09.2029, issued by the Bulgarian Accreditation Service, in accordance with the requirements of standard BDS EN ISO/IEC 17025:2018

Sheet 1

Total sheets: 2

### **TESTING**

OF TESTING

No. 2025/5001 of 11.11.2025

- 1. Name of the tested samples/specimens/extracts: Material: sample RX-13 (M 376) area Tintyava, Rosino section, composite sample from drill core, borehole RTD-015. Interval: 112.30-122.80 m. Length 10.50 m. Ivaylovgrad. Date: 30.10.2025.*
- 2. Test applicant: Tintyava Exploration AD, 1 6th September Street, Ivaylovgrad, postal code 6570. The sample was delivered by the customer with a service request.*
- 3. Indicators (characteristics) and testing method: Specific activity of gamma radionuclides according to BBLM6:2010.*
- 4. Date of receipt of samples/specimens for testing in the laboratory: 04.11.2025.*
- 5. Number of samples/specimens tested: 1 sample weighing 1.07 kg.*
- 6. Date of testing: 04.11-11.11.2025.*

## 7. Test results

No.	Name of indicator	Unit of measurement	Standards/validated methods	Sample No. in the incoming/outgoing log	Test results (value, uncertainty)	Value and tolerance of the indicator	Test conditions
1	2	3	4	5	6	7	8
1. Specific activity of gamma radionuclides							
	Potassium-40	Bq/g	BBLM6:2010	M 376	0.647 ±0.014	10	Air temperature: (19.0-20.0)°C; Relative humidity: (50 - 52)%
	Lead-210				0.014 ±0.006	1	
	Lead-214				0.015 ±0.001	1	
	Bismuth-214				0.015 ±0.001	1	
	Radium-223				< 0.006	1	
	Radium-226				< 0.027	1	
	Thorium-230				< 0.056	1	
	Thorium-232				0.027 ±0.001	1	
	Uranium-238				0.020 ± 0.005	1	
	Uranium-235				< 0.002	1	

### NOTES:

1. The test report contains results from accredited activities only.
  2. Laboratory activities were performed in the permanent premises and facilities of the CNIL.
  3. The test results apply only to the tested samples/specimens/extracts.
  - 4 \*. The value and tolerance of the indicator are in accordance with the Ordinance on Radiation Protection, adopted by Council of Ministers Decree No. 20 of 14.02.2018, amended and supplemented, No. 110 of 29.12.2020, Annex No. 3, Table 3.
  - 5 . Extracts from the test report may not be reproduced without the written consent of the testing laboratory.
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- \* - only in cases where the customer has requested

TEST PERFORMED BY:

# ***CENTRAL RESEARCH LABORATORY***

## **CSRL at DIAL Ltd.**

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*1830, Bukhovo-Sofia, ul. "Mina Bukhovo" No. 111, dial-ltd.com; Tel. (02) 994 2240, e-mail: lab@dial-ltd.com*

Accreditation certificate, Per. No. 73 LI/29.09.2025 valid until 29.09.2029, issued by the Bulgarian Accreditation Service, in accordance with the requirements of standard BDS EN ISO/IEC 17025:2018

Sheet I

Total sheets: 2

### **TESTING**

#### **OF TESTING**

No. 2025/5002 of 11.11.2025

- 1. Name of the tested samples/specimens/extracts: Material: sample RX-14 (M 377) area Tintyava, Rosino section, composite sample from drill core, borehole RTD-015. Interval: 122.80-132.90 m. Length 10.10 m. Ivaylovgrad. Date: 30.10.2025.*
- 2. Test applicant: Tintyava Exploration AD, 1 6-ti Septemvri St., Ivaylovgrad, postal code 6570. The sample was delivered by the customer with a service request. Indicators (characteristics) and test method: Specific activity of gamma radionuclides according to VBLM6:2010.*
- 3. Indicators (characteristics) and testing method: Specific activity of gamma radionuclides according to BBLM6:2010.*
- 4. Date of receipt of samples/specimens for testing in the laboratory: 04.11.2025.*
- 5. Number of samples/specimens tested: 1 sample weighing 1.07 kg.*
- 6. Date of testing: 04.11-11.11.2025.*

## 7. Test results

No in order	Name of indicator	Unit of measurement	Standards/validated methods	Sample No. in the incoming/outgoing log	Test results (value, uncertainty)	Value and tolerance of the indicator	Test conditions
1	2	3	4	5	6	7	8
1. Specific activity of gamma radionuclides							
-	Potassium-40	Bq/g	BBLM6:2010	M377	0.717 ± 0.025	10	Air temperature: (19.0-20.0)°C; Relative humidity: (50 - 52) %
-	Lead-210				0.023 ± 0.006	1	
-	Lead-214				0.023 ± 0.001	1	
-	Bismuth-214				< 0.003	1	
-	Radium-223				0.0046 ± 0.0016	1	
-	Radium-226				0.022 ± 0.005	1	
-	Thorium-230				< 0.056	1	
-	Thorium-232				< 0.003	1	
-	Uranium-238				0.029 ± 0.003	1	
-	Uranium-235				< 0.0004	1	

### NOTES:

1. The test report contains results from accredited activities only.
  2. Laboratory activities were performed in the permanent premises and facilities of the CNIL.
  3. The test results apply only to the tested samples/specimens/extracts.
  - 4 \*. The value and tolerance of the indicator are in accordance with the Ordinance on Radiation Protection, adopted by Council of Ministers Decree No. 20 of 14.02.2018, amended and supplemented, No. 110 of 29.12.2020, Annex No. 3, Table 3.
  - 5 . Extracts from the test report may not be reproduced without the written consent of the testing laboratory.
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- \* - only in cases where the client has requested

Accreditation certificate, Per. No. 73 LI/29.09.2025 valid until 29.09.2029, issued by the Bulgarian Accreditation Service, in accordance with the requirements of standard BDS EN ISO/IEC 17025:2018

Sheet 1

Total sheets: 2

## TESTING

FROM TESTING

No. 2025/5003 dated 13.11.2025

1. *Name of tested samples/specimens/extracts: Material: sample RX-15 (M 378) area Tintyava, Rosino section, composite sample from drill core, borehole RTD-015. Interval: 132.90-143.30 m. Length 10.40 m. Ivaylovgrad. Date: 30.10.2025.*
2. *Test applicant: Tintyava Exploration AD, 1 6th September Street, Ivaylovgrad, postal code 6570. The sample was delivered by the customer with a service request.*
3. *Indicators (characteristics) and testing method: Specific activity of gamma radionuclides according to BBLM6:2010.*
4. *Date of receipt of samples/specimens for testing in the laboratory: 04.11.2025.*
5. *Number of samples/specimens tested: 1 sample weighing 1.07 kg.*
6. *Date of testing: 04.11-13.11.2025.*

## 7. Test results

No in orde r	Name of indicator	Unit of measurement	Standards/validat ed methods	Sample No. in the incoming/ou tgoing	Test results (value, uncertainty)	Value and tolerance of the indicator	Test conditions
1	2	3	4	5	6	7	8
1. Specific activity of gamma radionuclides							
	Potassium-40	Bq/g	BBLM6:2010	M 378	0.716	10	Air temperature: (19.0-20.0)°C; Relative humidity: (50 - 52) %
	Lead-210				$0.028 \pm 0.005$	1	
	Lead-214				$0.031 \pm 0.001$	1	
	Bismuth-214				$0.016 \pm 0.001$	1	
	Radium-223				$< 0.004$	1	
	Radium-226				$0.035 \pm 0.010$	1	
	Thorium-230				$< 0.056$	1	
	Thorium-232				$< 0.003$	1	
	Uranium-238				$0.033 \pm 0.003$	1	
	Uranium-235				$< 0.0004$	1	

### NOTES:

1. The test report contains results from accredited activities only.
  2. Laboratory activities were performed in the permanent premises and facilities of the CNIL.
  3. The test results apply only to the tested samples/specimens/extracts.
  - 4 \*. The value and tolerance of the indicator are in accordance with the Ordinance on Radiation Protection, adopted by Council of Ministers Decree No. 20 of 14.02.2018, amended and supplemented, No. 110 of 29.12.2020, Annex No. 3, Table 3.
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- \* - only in cases where the client has requested

# **CENTRAL RESEARCH LABORATORY**

## **CNIL at DIAL Ltd.**

---

1830, Bukhovo—Sofia, 111 Mina Bukhovo St., dial-ltd.com; Tel. (02) 994 2240, e-mail: lab@dial-ltd.com

Accreditation certificate, Per. No. 73 LI/29.09.2025 valid until 29.09.2029, issued by IA BSA, in accordance with the requirements of standard BDS EN ISO/IEC 17025:2018

Sheet 1

Total sheets: 2

## **TESTING**

### **OF TESTING**

No. 2025/5004 dated 13.11.2025

1. *Name of the tested samples/specimens/extracts: Material: sample RX-16 (M 379) area Tintyava, Rosino section, composite sample from drill core, borehole RTD-015. Interval: 143.30-153.30 m. Length 10.00 m. Ivaylovgrad. Date: 30.10.2025*
2. *Test applicant: Tintyava Exploration AD, 1 6-ti Septemvri St., Ivaylovgrad, postal code 6570. The sample was delivered by the customer with a service request. Indicators (characteristics) and test method: Specific activity of gamma radionuclides according to VBLM6:2010.*
3. *Indicators (characteristics) and test method: Specific activity of gamma radionuclides according to BBLM6:2010.*
4. *Date of receipt of samples/specimens for testing in the laboratory: 04.11.2025.*
5. *Number of samples/specimens tested: 1 sample weighing 1.08 kg.*
6. *Date of testing: 04.11-13.11.2025.*

## 7. Test results

No No order	Name of indicator	Unit of measurement	Standards/validat ed methods	Sample No. in the incoming/ou tgoing log	Test results (value, uncertainty)	Value and tolerance of the indicator	Test conditions
1	2	3	4	5	6	7	8
1. Specific activity of gamma radionuclides							
	Potassium-40	Bq/g	BBLM6:2010	M 379	1.087 ±0.037	10	Air temperature: (19.0-20.0)°C; Relative humidity: (50 + 52) %
	Lead-210				< 0.025	1	
	Lead-214				0.032 ±0.001	1	
	Bismuth-214				0.032 ±0.001	1	
	Radium-223				< 0.006	1	
	Radium-226				0.047± 0.013	1	
	Thorium-230				< 0.094	1	
	Thorium-232				0.048 ±0.001	1	
	Uranium-238				0.030 ±0.007	1	
	Uranium-235				< 0.002	1	

### NOTES:

1. The test report contains results from accredited activities only.
  2. The laboratory activities were performed in the permanent premises and facilities of the CNIL.
  3. The test results apply only to the tested samples/specimens/extracts.
  - 4 \*. The value and tolerance of the indicator are in accordance with the Radiation Protection Ordinance, adopted by Council of Ministers Decree No. 20 of 14.02.2018, amended and supplemented by No. 110 of 29.12.2020, Annex No. 3, Table 3.
  5. Excerpts from the test report may not be reproduced without the written consent of the testing laboratory.
  6. The laboratory is not responsible for the information provided by the customer, provided that this information may affect the validity of the results.
  7. The laboratory is not responsible for the sampling stage when the sample is provided by the customer.
- \* - only in cases where the client has requested

LABORATORY  
MANAGER;



# ***CENTRAL RESEARCH LABORATORY***

## **CSRL at "DIAL" Ltd.**

---

1830, Bukhovo-Sofia, 111 Mina Bukhovo St., dial-ltd.com; Tel. (02) 994 2240, e-mail: lab@dial-ltd.com

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Sheet 1

Total sheets: 2

### **TESTING**

#### **OF TESTING**

No. 2025/5005 dated 13.11.2025

1. *Name of the tested samples/specimens/extracts: Material: sample RX-17 (M 380) area Tintyava, Rosino section, composite sample from drill core, borehole RTD-015. Interval: 153.30-166.20 m. Length 12.90 m. Ivaylovgrad. Date: 30.10.2025*
2. *Test applicant: Tintyava Exploration AD, 1 6-ti Septemvri St., Ivaylovgrad, postal code 6570. The sample was delivered by the customer with a service request. Indicators (characteristics) and test method: Specific activity of gamma radionuclides according to VBLM6:2010.*
3. *Indicators (characteristics) and test method: Specific activity of gamma radionuclides according to BBLM6:2010.*
4. *Date of receipt of samples/specimens for testing in the laboratory: 04.11.2025.*
5. *Number of samples/specimens tested: 1 sample weighing 1.38 kg.*
6. *Date of testing: 04.11-13.11.2025.*

LABORATORY MANAGER

LABORATORY:

<sup>a</sup> ^.podova

## 7. Test results

No No orde r	Name of indicator	Unit of measurement	Standards/validat ed methods	Sample No. in the incoming/ou tgoing log	Test results (value, uncertainty)	Value and tolerance of the indicator	Test conditions
1	2	3	4	5	6	7	8
1. Specific activity of gamma radionuclides							
	Potassium-40	Bq/g	BBLM6:2010	M 380	0.990 ±0.021	10	Air temperature: (19.0-20.0)°C: Relative humidity: (50-52) %
	Lead-210				0.018 ±0.007	1	
	Lead-214				0.022 ±0.001	1	
	Bismuth-214				0.021 ±0.001	1	
	Radium-223				< 0.006	1	
	Radium-226				0.028 ± 0.006	1	
	Thorium-230				< 0.067	1	
	Thorium-232				0.990 ±0.021	1	
	Uranium-238				0.023 ± 0.005	1	
	Uranium-235				< 0.002	1	

### NOTES:

1. The test report contains results from accredited activities only.
  2. Laboratory activities were performed in the permanent premises and facilities of the CNIL.
  3. The test results apply only to the tested samples/specimens/extracts.
  - 4 \*. The value and tolerance of the indicator are in accordance with the Ordinance on Radiation Protection, adopted by Council of Ministers Decree No. 20 of 14.02.2018, amended and supplemented, No. 110 of 29.12.2020, Annex No. 3, Table 3.
  5. Extracts from the test report may not be reproduced without the written consent of the testing laboratory.
  6. The laboratory is not responsible for the information provided by the customer, provided that this information may affect the validity of the results.
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- \* - only in cases where the customer has requested

TEST PERFORMED BY: