



ИЗПЪЛНИТЕЛНА АГЕНЦИЯ ПО ОКОЛНА СРЕДА - СОФИЯ
РЕГИОНАЛНА ЛАБОРАТОРИЯ - ПЛОВДИВ

Ул. "Перушица" № 1, e-mail: ecolab_plovdiv@mail.bg, Телефон/Факс: 032/642 723

Sheet 1

Total number of sheets 3

TESTING PROTOCOL

No. 1303/2010

Date: 08.10.2010

Accredited testing laboratory

Certificate No 69LI/valid until 30.11.2012

Issued by the Bulgarian Accreditation Service -

Executive Agency at the Ministry of Economy, Energy and Tourism

1. Air

3342.10 - emissions, Chobanka village (41°26,420'N ; 25°39,634' E)

18:00 hrs./30.09.2010÷18:00 hrs./01.10.2010

(name of product; type of component for testing and describing; sampling site)

2. Company which requested the testing: BALKAN MINERAL AND MINING EAD, Contract No. 4/27.09.2010, Order No. 14/27.09.2010

(name of the Company, No. and date of the sampling protocol)

3. 3 Method of testing: ISO 4224, ISO 13694, ISO 10498, ISO 7996

(name and no. of the standards or validated methods)

4. Date of receiving of samples for testing in the laboratory: 27/09/2010

5. Quantity of tested samples: -

(quantity of samples/ and their mass)

6. Date/period of the testing: 27.10.2010

**MANAGER OF THE INDEPENDENT
LABORATORY**

Eng. Stanka Chokova

(family name, signature, seal)

7. TEST RESULTS:

Type of testing/characteristics	Carbon oxide (CO)	Ozone	Sulfur dioxide		Nitric oxide	Nitrogen dioxide
Standard/validated method	ISO 4224	ISO 13694	ISO 10498		ISO 7996	ISO 7996
Unit of measurement	mg/m ³	μg ³ m3	μg ³ m3		μg ³ m3	μg ³ m3
Parameter value and tolerance parameter	10 /sq. 8 krs./	120 /sq. 8 krs./	350 Average Hourly Rate	125 Average Daily Rate	-	200 Average Hourly Rate
Regulation No.	12/15.07.2010					
Flow Number	CO	O ₃	SO ₂		NO	NO ₂

Test results (below detection) within the scope of accreditation

Year	Month	Day hours	Hour	CO	O ₃	SO ₂	NO	NO ₂
2010	09	30	1900	<0.3*	77 ±1	<9*	<9*	<9*
2010	09	30	2000	<0.3*	79 ±1	<9*	<9*	<9*
2010	09	30	2100	<0.3*	57 ±1	<9*	<9*	<9*
2010	09	30	2200	<0.3*	63 ±1	<9*	<9*	<9*
2010	09	30	2300	<0.3*	74 ±1	12 ± 1	<9*	<9*
2010	09	30	2400	<0.3*	66 ±1	12 ± 1	<9*	<9*
2010	10	01	0100	<0.3*	61 ±1	12 ± 1	<9*	<9*
2010	10	01	0200	<0.3*	55 ±1	9 ± 1	<9*	<9*
2010	10	01	0300	<0.3*	56 ±1	<9*	<9*	<9*
2010	10	01	0400	<0.3*	51 ±1	<9*	<9*	<9*
2010	10	01	0500	<0.3*	38 ±1	<9*	<9*	<9*
2010	10	01	0600	<0.3*	31 ±1	<9*	<9*	<9*
2010	10	01	0700	<0.3*	20 ±1	<9*	<9*	<9*
2010	10	01	0800	<0.3*	17 ±1	<9*	<9*	<9*
2010	10	01	0900	<0.3*	33 ±1	<9*	<9*	<9*
2010	10	01	1000	<0.3*	34 ±1	<9*	<9*	<9*
2010	10	01	1100	<0.3*	72 ±1	9 ± 1	<9*	<9*
2010	10	01	1200	<0.3*	83 ±1	<9*	<9*	<9*
2010	10	01	1300	<0.3*	88 ±1	<9*	<9*	<9*
2010	10	01	1400	<0.3*	92 ±1	<9*	<9*	<9*
2010	10	01	1,500	<0.3*	92 ±1	<9*	<9*	<9*
2010	10	01	1600	<0.3*	90 ±1	<9*	<9*	<9*
2010	10	01	1700	<0.3*	87 ±1	<9*	<9*	<9*
2010	10	01	1800	<0.3*	87 ±1	<9*	<9*	<9*

8. Additional Information

Meteorological parameters						
Type of testing/characteristics	Air temperature temperature	Air pressure	Wind direction	Wind speed	Relative humidity	Sunshine duration
Unit of	°C	mBar	-	m/s	%	W/m ²

measurement						
Flow Number	Temp	Baro	WDIR	SPEED	Humid	Solar

Additional information - meteorological parameters									
Year	Month	Day hours	Hour	Temp	Baro	WDIR	SPEED	Humid	Solar
2010	09	30	1900	15.1	975	13	0.00	60.6	20.2.
2010	09	30	2000	14.7	976	10	0.25	61.9	17.2
2010	09	30	2100	13.5	976	12	0.00	76.2	17.0
2010	09	30	2200	13.2.	977	16	0.05	75.0	17.1
2010	09	30	2300	14	977	16	1.50	57.1	16.9
2010	09	30	2400	12.8	977	14	0.45	63.7	16.9
2010	10	01	0100	12.7	977	15	0.05	64.1	17
2010	10	01	0200	11.7	977	12	0.10	69.1	16.6
2010	10	01	0300	11	977	11	0	71.6	16.6
2010	10	01	0400	9.9	977	16	0.00	81.5	16.1
2010	10	01	0500	9.0	977	14	0.05	85.0	16.3
2010	10	01	0600	7.6	977	13	0.00	93.2	16
2010	10	01	0700	6.7	977	1	0.00	95.3	16.1
2010	10	01	0800	6.3	977	12	0.00	99.5	54.2
2010	10	01	0900	7.2	978	8	0.10	100.0	258.5
2010	10	01	1000	9.6	978	6	0.10	84.6	240.9
2010	10	01	1100	13	978	16	29.30	64.8	589.5
2010	10	01	1200	14.9	978	1	1.60	52.3	778.6
2010	10	01	1300	16.3	978	2	1.45	45.0	825.6
2010	10	01	1400	16.7	977	8	1.10	44.5	690.0
2010	10	01	1,500	11.8	976	14	0.85	45.7	383.5
2010	10	01	1600	16.6	976	15	1	48.3	217
2010	10	01	1700	16.3	976	14	0.30	52.9	232.5
2010	10	01	1800	17.4	977	16	0.95	49.0	416.9

LEGEND: * the measured value is less than the limit for the determining of the method.

NOTE : The data from p. 8 are received by using non-calibrated methods for measurement and are beyond the scope for accreditation.
 The test results refer only to the tested samples.
 Excerpts of the protocol of testing should not be copied without the written consent of the testing laboratory.

PERSONS WHO CARRIED OUT THE TESTING:

Eng. Hr. Angelov
 (family name, signature)

MANAGER OF THE INDEPENDENT LABORATORY:

Eng. St. Chokova
 (family name, signature)