

Franše d'Eperea 86, 11000 Beograd,

☎ 390, ☎. (011) 369-17-22, ☎. (011) 369-15-83

<http://www.itnms.ac.rs>

**CENTRALNA LABORATORIJA ZA ISPITIVANJA
LABORATORIJA ZA HEMIJSKA ISPITIVANJA**

E-mail: s.zildzovic@itnms.ac.rs

BRJ: 7.2/117

DATUM: 04.11.2013. STRANA: 1/2

ИНСТИТУТ ЗА ТЕХНОЛОГИЈУ НУКЛЕАРНИХ
И ДРУГИХ МИНЕРАЛНИХ СИРОВИНА с.р.с.

Број 18/60

05. 11. 2013 год
Београд
Франше Д'Епере-а 86, пошт. фак 390

IZVEŠTAJ O ISPITIVANJU

Korisnik ispitivanja: BENTOPRODUCT d.o.o

Adresa korisnika: Jevrejska 103a / 1, 78000 Banjaluka

Br.fax.korisnika: _____

Br.zahteva/datum prijema: zahtev od 24.10.2013. / 24.11.2013.

Br.	OZNAKA UZORKA	OPIS USLUGE
1.	Bentonit Clariss-p	U dostavljenim uzorcima bentonita određen je hemijski sastav: SiO ₂ , Al ₂ O ₃ , TiO ₂ , Fe ₂ O ₃ , K ₂ O, Na ₂ O, P ₂ O ₅ , MnO, CaO, MgO, SO ₃ i gubitak mase žarenjem.
2.	Clariss-p70	

Uzorkovanje izvršio: korisnik ispitivanja

Napomene:

Koordinator laboratorije

S. Zildžović

Snežana Zildžović, dipl. hem.

Šef Centralne laboratorije
za ispitivanja

A. Cosović

Mr Aleksandar Cosović

DIREKTOR INSTITUTA

Z. Stojanović

Prof. dr Zvonko Gulišija

1. Rezultati ispitivanja se odnose samo na ispitivane uzorke;
2. Ovaj izveštaj se ne sme umnožavati izuzev u celini bez saglasnosti Laboratorije za hemijska ispitivanja.

PARAMETAR	OZNAKA UZORKA	NAZIV METODE	
	Clariss-p	Clariss-p70	
SiO ₂	48.28%	48.83%	*gravimetrijsko određivanje sadržaja silicijum dioksida
Al ₂ O ₃	23.04%	25.04%	
TiO ₂	0.84%	0.84%	*kiselinsko rastvaranje uzorka stapanje i određivanje sadržaja Al, Fe, Mg, Ca, Ti, Mn metodom AAS
Fe ₂ O ₃	4.52%	4.86%	
K ₂ O	0.29%	0.30%	*kiselinsko rastvaranje uzorka i određivanje sadržaja K, Na metodom AES
Na ₂ O	0.22%	1.22%	
P ₂ O ₅	0.014%	0.015%	*spektrofotometrijsko određivanje sadržaja fosfora
MnO	0.018%	0.016%	
CaO	5.92%	4.55%	*gravimetrijsko određivanje sadržaja sumpora
MgO	1.98%	2.0%	*gravimetrijsko određivanje sadržaja gubitka mase žarenjem
SO ₃	<0.02%	<0.02%	
gubitak mase žarenjem	14.86%	12.31%	

Oprema : AAS Analyst 300
Spektrofotometar Spekol 1300

Analizu uradio:

Меніпогубі
Марія Меніпогубі
С. Суворові

(ime i prezime, zvanje)

* metoda van oblasti i obima akreditacije

ITNMS

INSTITUTE FOR TECHNOLOGY OF NUCLEAR AND OTHER MINERAL RAW MATERIALS

Franše d'Eperea 86, 11000 Belgrade

☎ 390 ☎ (011) 369-17-21 ☎ (011) 369-15-83

<http://www.itnms.ac.rs>

CENTRAL TESTING LABORATORY CHEMICAL TESTING LABORATORY

E-mail: s.zildzovic@itnms.ac.rs

NUMBER: 7.2/117

DATE: 4 November 2013

PAGE: 1/2

/Seal:
INSTITUTE FOR TECHNOLOGY OF NUCLEAR
AND OTHER MINERAL RAW MATERIALS

Number: 18/30

5 November 2013

BELGRADE

Franše d'Eperea 86, P.O. Box 390/

TEST REPORT

User of testing: BENTOPRODUCT d.o.o.

User of testing: Jevrejska 103a/1, 78000 Banja Luka

Fax of user: _____

Request No.: request from 24 October 2013 / 24 November 2013

NO.	DESIGNATION OF THE SAMPLE	DESCRIPTION OF SERVICE
1.	Bentonite Clarip-p	In the submitted samples of bentonite, the chemical composition was established: SiO ₂ , Al ₂ O ₃ , TiO ₂ , Fe ₂ O ₃ , K ₂ O, Na ₂ O, P ₂ O ₅ , MnO, CaO, MgO, SO ₃ and mass loss by annealing
2.	Clarip-p70	

Sampling done by: user of testing

Notes:

Laboratory Coordinator
/handwritten signature/
Snežana Zildžović, BSc in Chemistry

**Chief of the Central Testing
Laboratory**
/handwritten signature/
Mr Aleksandar Čosović

DIRECTOR OF THE INSTITUTE
/handwritten signature/
Professor Zvonko Gulišija, PhD

/SEAL: ITNMS
INSTITUTE FOR TECHNOLOGY OF NUCLEAR
AND OTHER MINERAL RAW MATERIALS/

1. Test results relate only to the tested samples;
2. This Report may not be reproduced except in whole without the consent given by Chemical Testing Laboratory.

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PARAMETER	DESIGNATION OF THE SAMPLE		NAME OF THE METHOD
	Claris-p	Claris-p70	
SiO ₂	48.28%	48.83%	*gravimetric determination of content of silicon dioxide
Al ₂ O ₃	23.04%	25.04%	*acid dissolution of samples blending and determination of content Al, Fe, Mg, Ca, Ti, Mn by method AAS
TiO ₂	0.84%	0.84%	
Fe ₂ O ₃	4.52%	4.86%	
K ₂ O	0.29%	0.30%	* acid dissolution of samples and determination of content K, N by method AES
Na ₂ O	0.22%	1.22%	
P ₂ O ₅	0.014%	0.015%	* spectrophotometric determination of content of phosphor
MnO	0.018%	0.016%	
CaO	5.92%	4.55%	*gravimetric determination of content of sulphur
MgO	1.98%	2.0%	
SO ₃	<0.02%	<0.02%	*gravimetric determination of content of mass loss by annealing
mass loss by annealing	14.86%	12.31%	
Equipment:	AAS Analyst 300 spectrophotometer Spekol 1300		Analysed by: /handwritten signature illegible/ /handwritten signature illegible/ /handwritten signature illegible/ (First name and surname, position)
* method out of the area and scope of accreditation			

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