

TEST REPORT Nr. 13/650

Date: 14.05.2013

Customer: SIA Humin Vit
Address: Akmeņu street 47, Ogre, LV -5001
Phone: 22178017

Fakssx:

Purpose of testing: quality control.

Information about test sample:

Reception date	Sampling date, time	Type of sample	Sample volume/ container	Laboratory ident. No.
29.04.2013	29.04.2013	Sapropel „Sapro Gel”	1kg / plastic	13/1839

Sampling: Sample was delivered by customer;
Preservation: no.

Test results:

Type of sample	Parameter, units	Test result with uncertainty ¹	Test method	Date of analysis
Sapropel „Sapro Gel”	Arsenic, mg/kg	0.48 ± 0.07	US EPA 7060A:1994	07. -14.05.2013
	Zinc, mg/kg	157 ± 13	LVS ISO 11047:1998	07. -09.05.2013
	Iron, g/kg	5.2 ± 0.4	US EPA 7380:1986	07. -09.05.2013
	Mercury, mg/kg	<0.07	ISO 16772:2004	07. -10.05.2013
	Cromium, mg/kg	22.4 ± 2.2	LVS ISO 11047:1998	07. -09.05.2013
	Cadmium, mg/kg	<1	LVS ISO 11047:1998	07. -09.05.2013
	Magnesium, mg/kg	1180 ± 140	LVS EN ISO 7980:2000	07. -10.05.2013
	Nickel, mg/kg	34 ± 5	LVS ISO 11047:1998	07. -09.05.2013
	Lead, mg/kg	<11	LVS ISO 11047:1998	07. -09.05.2013
	Sulfur, mg/kg	1480 ± 280	LVS CEN/TS 16170	07. -13.05.2013
	Copper, mg/kg	19.4 ± 1.6	LVS ISO 11047:1998	07. -09.05.2013


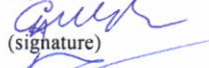
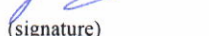
Information about testing methods:

Parametr	Test method	Method principle	Method detection limit (MDL)
Arsenic	US EPA 7060A:1994	Atomic absorption spectrometry with electrothermal atomization	0.07 mg/kg
Zinc	LVS ISO 11047:1998		3 mg/kg
Cadmium			1 mg/kg
Cromium			2 mg/kg
Nickel			4 mg/kg
Lead			11 mg/kg
Copper			2 mg/kg
Magnesium		LVS EN ISO 7980:2000	Atomic absorption spectrometry with flame atomization
Iron	US EPA 7380:1986	Atomic absorption spectrometry with flame atomization	12 mg/kg
Mercury	ISO 16772:2004	Cold vapor atomic absorption spectrophotometry	0.07 mg/kg
Sulfur	LVS CEN/TS 16170	Inductively coupled plasma optical emission spectrometry	55 mg/kg

Test results relate only to the item tested!

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¹ Results less than method detection limit (MDL) are given as MDL value with symbol „<”.