



ELEMENTAL
HAIR
ANALYSIS
FOR ANIMALS

Fido

Dog's name: Fido

Date of the test: 24.11.2019

Dog-owner's e-mail:

Test code: aaa111bbb222



office@petsdiag.com

EHAA TEST RESULT

This result is information about the levels and chosen proportions of elements that occur in your dog's hair. Values of macro- and microelements and their mutual relations reflect the state of the mineral nutrition of the organism and the biochemical balance – factors necessary for maintaining its health and proper condition. The mineral content is expressed in ppm.

CONCENTRATION OF NUTRITIONAL ELEMENTS – MACROELEMENTS

element	patient's result	normal value
Sulfur (S)	47732	51651,87 - 54607,86
Calcium (Ca)	355	1108,34 – 1316,77
Sodium (Na)	346	570 – 856,17
Phosphorus (P)	140	275,9 – 327,48
Potassium (K)	425	168,21 – 239,51
Magnesium (Mg)	42	175,33 – 222,05

CONCENTRATION OF NUTRITIONAL ELEMENTS – MICROELEMENTS

element	patient's result	normal value
Silicon (Si)	189	386,6 – 546,39
Zinc (Zn)	179	215,34 – 234,87
Iron (Fe)	17	175,93 – 251,25
Copper (Cu)	13,2	20,01 – 26,46
Manganese (Mn)	1,1	11,45 – 15,48
Selenium (Se)	0,14	1,19 – 1,41
Chrome (Cr)	0,081	0,82 – 1,16
Cobalt (Co)	0,002	0,02 – 0,04

CONCENTRATION OF TOXIC ELEMENTS

element	patient's result	maximum value
Barium (Ba)	0,61	4,07
Strontium (Sr)	0,56	3,84
Vanadium (V)	0,145	0,7
Germanium (Ge)	0,186	0,34
Lithium (Li)	0,016	0,31
Aluminium (Al)	18	269,54
Nickel (Ni)	0,842	1,23
Arsenic (As)	2,4243	0,12
Lead (Pb)	323,39	1,55
Cadmium (Cd)	0,0099	0,15

Each organism is exposed to toxic elements that get into it from the external environment. The presence of toxic elements in the body may prove to be dangerous to health.

PROPORTIONS OF NUTRITIONAL ELEMENTS

proportion	patient's result	normal value
Calcium (Ca) Phosphorus (P)	2,55	3,99 – 4,87
Calcium (Ca) Potassium (K)	0,84	5,92 – 7,83
Calcium (Ca) Magnesium (Mg)	8,5	6,41 – 7,48
Sodium (Na) Potassium (K)	0,82	3,37 – 4,84
Sodium (Na) Magnesium (Mg)	8,28	2,88 – 4,24
Zinc (Zn) Copper (Cu)	13,55	9,13 – 11,46
Iron (Fe) Copper (Cu)	1,31	8,1 – 12,17

PROPORTIONS OF NUTRITIONAL ELEMENTS TO TOXIC ELEMENTS

proportion	patient's result	maximum value
Calcium (Ca) Lead (Pb)	1,1	1354,64
Iron (Fe) Lead (Pb)	0,05	232,09
Zinc (Zn) Cadmium (Cd)	18184,6	2362,06
Calcium (Ca) Cadmium (Cd)	36003,55	14590,27
Sulfur (S) Lead (Pb)	147,6	50431,77

The test was made using the inductively coupled plasma optical emission spectrometry with the Optima 8000 ICP-OES spectrometer from PerkinElmer by Izabela Janicka, the analyst technician PetsDiag/ Lifeline Diag Sp. z o.o.

Izabela Janicka
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starszy technik analityki

ADDITIONAL INFORMATION – INTERPRETATION OF THE RESULT

EHAA test accurately reflects the actual state of nutrition in the animal's body. Blood test doesn't show the state of mineral balance in such a precise way, because its composition is regulated at the cost of other tissues and organs (such as the hair) by "displacing" or collecting missing nutrients from them. Therefore hair collects information about the changes taking place in the mineral economy of the whole organism, thus giving a more accurate picture of nutritional excesses, deficiencies and toxic loads than the body fluids.

The concentrations and proportions of macro- and microelements as well as toxic elements demonstrated as a result of EHAA test should be interpreted taking into account dog breed, its sex, age, general health, as well as the type of feed and used supplementation.

To refer in detail EHAA result to the patient's health status, consult an animal nutritionist. Interpretation of the EHAA result is free * and is done in writing at the PetsDiag Panel. You can order a written interpretation via the PetsDiag Panel.

*Dog-owner doesn't bear the costs of the first written interpretation of the EHAA result. The second and each subsequent written interpretation of the same EHAA result is payable. To order the next free interpretation, a new EHAA study should be performed.

[Order a written interpretation of the result](#)

SAMPLE RESULT