

MINERALOGRAMMA DEL CAPELLO



SEX: Female
AGE: 40

ELEMENTI POTENZIALMENTE TOSSICI					
ELEMENTI TOSSICI	VALORE $\mu\text{g/g}$	INTERVALLO DI RIFERIMENTO	Percentuale		
			68 th	95 th	
Aluminum	3,7	< 7,0	██████████		
Antimony	0,026	< 0,050	██████████		
Arsenic	0,066	< 0,060	██████████		
Beryllium	< 0,01	< 0,020			
Bismuth	0,003	< 2,0	•		
Cadmium	0,025	< 0,10	██████████		
Lead	0,98	< 1,0	██████████		
Mercury	1,1	< 1,1	██████████		
Platinum	< 0,003	< 0,005			
Thallium	0,001	< 0,010	•		
Thorium	0,001	< 0,005	•		
Uranium	0,017	< 0,060	██████████		
Nickel	0,29	< 0,40	██████████		
Silver	1,6	< 0,15	██████████	██████████	
Tin	0,26	< 0,30	██████████		
Titanium	0,52	< 1,0	██████████		
Total Toxic Representation				██████████	██████████

ELEMENTI ESSENZIALI E ALTRI ELEMENTI							
ELEMENTI	VALORE $\mu\text{g/g}$	INTERVALLO DI RIFERIMENTO	Percentuale				
			2.5 th	16 th	50 th	84 th	97.5 th
Calcium	931	300- 1200			██████████		
Magnesium	48	35- 120			██████████		
Sodium	520	12- 90			██████████		
Potassium	430	8- 38			██████████		
Copper	16	12- 35			•		
Zinc	180	140- 220			•		
Manganese	0,11	0,15- 0,65	██████████	██████████			
Chromium	0,58	0,20- 0,40			██████████		
Vanadium	0,069	0,018- 0,065			██████████		
Molybdenum	0,033	0,028- 0,056			██████████		
Boron	1,4	0,30- 2,0			██████████		
Iodine	0,30	0,25- 1,3			██████████		
Lithium	0,018	0,007- 0,023			██████████		
Phosphorus	162	160- 250			██████████		
Selenium	0,79	0,95- 1,7			██████████		
Strontium	3,9	0,50- 7,6			██████████		
Sulphur	50600	44500- 52000			██████████		
Barium	0,78	0,26- 3,0			██████████		
Cobalt	0,004	0,013- 0,050	██████████	██████████			
Iron	12	5,4- 14			██████████		
Germanium	0,033	0,045- 0,065	██████████	██████████			
Rubidium	0,37	0,007- 0,096			██████████		
Zirconium	0,018	0,020- 0,42			██████████		
Gold	1,1	0,0- 0,10			██████████		

DATI DEL CAMPIONE				RAPPORTI		
COMMENTI:				ELEMENTI	RAPPORTI	INTERVALLO ABITUALE
Prelevato il:	12/9/2008	Peso:	0,202 g	Ca/Mg	19,4	4- 30
Ricevuto il:	17/9/2008	Tipo:	Head	Ca/P	5,75	1- 12
Emesso il:	20/9/2008	Colore:		Na/K	1,21	0,5- 10
		Trattamenti:		Zn/Cu	11,3	4- 20
Tecnologia:	ICP-MS	Shampoo:		Zn/Cd	> 999	> 800

V04.00

White blood cells	6.69	10 ³ /mmc	4.20 - 9.00
Red blood cells	4.47	10 ⁶ /mmc	4.20 - 5.40
HGB-Hemoglobin	12.9	g/dL	12.0 - 15.0
Hematocrit	38.2	%	37.0 - 47.0
Mean Corpuscular Volume (MCV)	85.4	fL	80.0 - 96.0
Mean Corpuscular Hemoglobin (MCH)	28.8	ng	27.0 - 31.0
Mean Corpuscular Hemoglobin Concentration (MCHC)	33.8	g/dL	33.0 - 37.0
Red cell Distribution Width (RDW)	13.1	%	11.5 - 14.5
Hemoglobin Distribution Width (HDW)	2.2	g/dL	2.2 - 3.2
Neutrophiles	53.5	%	40.0 - 74.0
Lymphocytes	33.2	%	19.0 - 48.0
Monocytes	5.5	%	3.0 - 9.0
Eosinophiles	4.4	%	0.0 - 6.0
Basophiles	1.3	%	0.0 - 1.5
LUC	2.0	%	0.0 - 4.5
Neutrophiles	3.58	10 ³ /mmc	1.68 - 6.66

Continued

Lymphocytes	2.22	$10^3/\text{mmc}$	0.80-4.32
Monocytes	0.37	$10^3/\text{mmc}$	0.13-0.81
Eosinophiles	0.29	$10^3/\text{mmc}$	0.00-0.60
Basophiles	0.09	$10^3/\text{mmc}$	0.00-0.13
LUC	0.13	$10^3/\text{mmc}$	0.00-0.40
[5] Platelets			
PLT - Platelet count	279	$\times 10^3/\text{microL}$	150-380
MPV - Mean Platelet Volume	11.1 >	fL	6.0-11.0
PDW - Platelet Distribution Width	67.7 >	%	38.0-65.0

Adult Reference Range

[5] Glucose	82	mg/dL	60-110
[5] Creatinine	0.86	mg/dL	0.50-1.20
[5] cVFG	78	mL/min	> 60

Value calculated according to MDRD equation, valid for Caucasian patients between 18-70 years of age; for Afro-Americans multiply by 1.21.
cVFG values < 60 mL/min must be evaluated within general clinical context.

[5] Total Cholesterol	161	mg/dL	< 200
[5] Triglycerides	51	mg/dL	< 180
[5] HDL Cholesterol	67	mg/dL	> 45
[5] Calcium	9.5	mg/dL	8.5-10.5
[5] Total Proteins	7.4	g/dL	6.0-8.0
[5] AST (GOT)	18	U/L	< 32
[5] ALT (GPT)	20	U/L	< 31
[5] ALP/Alkaline Phosphatase	97 <	U/L	98-280
[5] Ferritine	37	ng/mL	15 - 155 Pre-menopause 20 - 300 Post-menopause
[5] TSH	1.01	microIU/mL	80/55 0.27-4.20
ECLIA cv 5% method			
[5] FT3	3.5	pg/mL	2.3-4.4
ECLIA cv 5% method			

Continued

[5] FT4	..... ECLIA cv 5% method	11.6	ng/mL	9.0-17.0
[5] Aldosterone	.....	116	ng/mL	ORTO: 80-300 CLINO: 30-100
[5] Cortisol	..... ECLIA cv 5% method	79	ng/mL	7-10 a.m.: 62-194 16-20 p.m.: 23-119

[5] Complete Urine Test				
Colour	.....	yellow		
Appearance	.....	clear		
pH	.....	5.5		5.0-7.0
Glucose	..... Chim. semiquant. method	absent	mg/dL	Absent
Proteins	..... Chim. semiquant. method	absent	mg/dL	0.0-15.0
Hemoglobin	.....	absent		Absent
Ketone Bodies	.....	absent	mg/dL	Absent
Bilirubin	.....	absent		Absent
Urobilinogen	.....	0.2	mg/dL	0.0-0.2
Nitrites	.....	absent		Absent
Density	.....	1.021		1.010-1.025
Leukocytes	.....	38 >	num/microL	0-20
Epithelial Cells	.....	22	num/microL	Absent
Morphological test	..... citom.flus. method			

[5] Serum Protein Electrophoresis				
Total Proteins	.....	7.4	g/dL	6.0-8.0
A/G Ratio	.....	1.37		0.99-1.81
Albumin	.....	57.8	%	49.7-64.4
Alpha 1 Globulin	.....	7.1	%	4.8-10.1
Alpha 2 Globulin	.....	8.5	%	8.5-15.1
Beta 1 Globulin	.....	6.6	%	3.8-7.5
Beta 2 Globulin	.....	4.5	%	3.5-5.6
Gamma Globulin	.....	15.5	%	10.5-19.5