



LAB#: H150826-2289-1

PATIENT: Ford Prefect

SEX: Male

AGE: 36

CLIENT#: 24510

*Toxic & Essential Elements; Hair*

TOXIC METALS					
		RESULT µg/g	REFERENCE INTERVAL	PERCENTILE	
				68 <sup>th</sup>	95 <sup>th</sup>
Aluminum	(Al)	5.6	< 7.0		
Antimony	(Sb)	< 0.01	< 0.066		
Arsenic	(As)	0.021	< 0.080		
Barium	(Ba)	0.92	< 1.0		
Beryllium	(Be)	< 0.01	< 0.020		
Bismuth	(Bi)	< 0.002	< 2.0		
Cadmium	(Cd)	< 0.009	< 0.065		
Lead	(Pb)	0.05	< 0.80		
Mercury	(Hg)	1.3	< 0.80		
Platinum	(Pt)	< 0.003	< 0.005		
Thallium	(Tl)	0.001	< 0.002		
Thorium	(Th)	< 0.001	< 0.002		
Uranium	(U)	0.009	< 0.060		
Nickel	(Ni)	0.05	< 0.20		
Silver	(Ag)	0.01	< 0.08		
Tin	(Sn)	0.04	< 0.30		
Titanium	(Ti)	0.34	< 0.60		
Total Toxic Representation					

ESSENTIAL AND OTHER ELEMENTS								
		RESULT µg/g	REFERENCE INTERVAL	PERCENTILE				
				2.5 <sup>th</sup>	16 <sup>th</sup>	50 <sup>th</sup>	84 <sup>th</sup>	97.5 <sup>th</sup>
Calcium	(Ca)	560	200– 750					
Magnesium	(Mg)	25	25– 75					
Sodium	(Na)	15	20– 180					
Potassium	(K)	34	9– 80					
Copper	(Cu)	10	11– 30					
Zinc	(Zn)	180	130– 200					
Manganese	(Mn)	0.07	0.08– 0.50					
Chromium	(Cr)	0.32	0.40– 0.70					
Vanadium	(V)	0.024	0.018– 0.065					
Molybdenum	(Mo)	0.033	0.025– 0.060					
Boron	(B)	0.38	0.40– 3.0					
Iodine	(I)	0.87	0.25– 1.8					
Lithium	(Li)	< 0.004	0.007– 0.020					
Phosphorus	(P)	185	150– 220					
Selenium	(Se)	0.97	0.70– 1.2					
Strontium	(Sr)	1.2	0.30– 3.5					
Sulfur	(S)	48300	44000– 50000					
Cobalt	(Co)	0.002	0.004– 0.020					
Iron	(Fe)	5.3	7.0– 16					
Germanium	(Ge)	0.036	0.030– 0.040					
Rubidium	(Rb)	0.060	0.011– 0.12					
Zirconium	(Zr)	< 0.007	0.020– 0.44					

SPECIMEN DATA		RATIOS		
COMMENTS:		ELEMENTS	RATIOS	RANGE
Date Collected: 08/14/2015		Ca/Mg	22.4	4– 30
Date Received: 08/26/2015		Ca/P	3.03	0.8– 8
Date Completed: 08/27/2015		Na/K	0.441	0.5– 10
Methodology: ICP/MS		Zn/Cu	18	4– 20
		Zn/Cd	> 999	> 800
Sample Size: 0.2 g				
Sample Type: Head				
Hair Color:				
Treatment:				
Shampoo:				