

# Micro Trace Minerals Laboratory

environmental & clinical laboratory

Röhrenstrasse 20, 91217 Hersbruck, Germany  
P.O.Box 4613; Boulder, CO 80306-4613, USA



MINERAL ANALYSIS				BASELINE URINE			
				Lab Number		1UB180435	
Doctor		Dr.		Test Date		5/09/2016	
Patient Name		John Hargrave		Sex		m	
Clinical Information		Baseline urine		D.O.B.		31/10/1973	
Creatinine (g/l) *		1.550		Page		1/2	
	<b>Baseline URINE Norm</b>	<b>Test Value</b>					
<b>Essential Trace Elements (mcg/g Creatinine)</b>							
Chromium	0.550 --- 4.830	0.591					
Cobalt	< 5.000	0.259					
Copper	1.450 --- 60.000	4.735					
Iron	2.200 --- 45.000	< DL					
Manganese	< 4.500	1.323					
Molybdenum	9.700 --- 100.000	31.752					
Selenium	12.000 --- 90.000	33.145					
Vanadium	< 1.000	0.068					
<b>Essential Macro- &amp; Trace Elements (mg/g Creatinine)</b>							
Calcium	55.000 --- 245.000	14.636	↓				
Magnesium	12.000 --- 150.000	29.737					
Zinc	0.060 --- 0.780	0.250					
<b>Trace Elements (mcg/g Creatinine)</b>							
Germanium	< 1.500	0.454					
Lithium	< 175.000	16.303					
Strontium	< 200.000	46.228					
Tungsten	< 0.790	< DL					
<b>Potentially Toxic Elements (mcg/g Creatinine)</b>							
Aluminum	< 40.000	< DL					
Antimony	< 1.000	< DL					
Arsenic-total	< 15.000	24.423	↑	X			

n.n. = not detected, < DL = below Detection Limit

Accreditation: DIN EN ISO 17025; Quality control: Dipl. Ing. Friedle, Ing. J. Merz, Dr. Rauland; Validation: Dr. E. Blaurock-Busch PhD

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Patient Name	John Hargrave		Lab Number	1UB180435	Page	2/2
	<b>Baseline URINE Norm</b>	<b>Test Value</b>				
<b>Potentially Toxic Elements (mcg/g Creatinine)</b>						
Barium	< 5.700	0.426				
Beryllium	< 1.200	< DL				
Bismuth	< 0.150	< DL				
Cadmium	< 0.800	< DL				
Cesium	< 11.000	12.139	↑	X		
Gallium	< 7.760	n.n.				
Lead	< 5.000	< DL				
Mercury	< 1.000	< DL				
Nickel	< 3.000	3.978	↑	X		
Palladium	< 1.400	< DL				
Platinum	< 0.600	n.n.				
Silver	< 1.400	< DL				
Thallium	< 0.600	0.396				
Tin	< 2.000	0.275				
Titanium	< 13.000	< DL				
Uranium	< 0.060	n.n.				
Zirconium	< 2.500	< DL				

n.n. = not detected, < DL = below Detection Limit

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