

Micro Trace Minerals Laboratory

environmental & clinical laboratory

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MINERAL ANALYSIS

DMPS Urine - Test Value Comparison

Doctor	Sample doctor	Compare No.	13
Patient Name	Sample patient	Sex	w
Clinical Information	DMPS i.v.1,5h	D.O.B.	11/2/1958
		Page	1/1

	Baseline URINE Norm	Chelator-specific orientation range	2UP115379 7/21/2011	2UP121213 2/13/2012
Creatinine (g/l) *			0.36	0.30

Essential Trace Elements (mcg/g Creatinine)

Chromium	< 3.50		0.24	1.41
Cobalt	< 5.00		0.65	0.24
Copper	< 60.00	700.00	1,014.35	688.85
Iron	2.00 --- 95.00		10.82	13.57
Manganese	< 4.50	10.00	2.59	6.51
Molybdenum	9.70 --- 100.00		30.23	17.48
Selenium	12.00 --- 90.00		38.82	22.97
Vanadium	< 1.40		0.66	0.13

Essential Macro- & Trace Elements (mg/g creatinine)

Calcium	55.00 --- 245.00		204.12	108.99
Magnesium	12.00 --- 150.00		77.31	50.59
Zinc	0.07 --- 7.00	10.00	4.35	1.87

Trace Elements in mcg/g Creatinine

Germanium	< 1.50		1.22	1.16
Lithium	< 175.00		13.64	13.21
Strontium	< 570.00		115.46	71.16

Potentially Toxic Elements in mcg/g Creatinine

Aluminum	< 125.00		30.07	18.23
Antimony	< 1.00		0.30	0.24
Arsenic-total	< 50.00	100.00	48.82	9.83
Barium	< 8.22		1.33	1.13
Beryllium	< 1.20		0.02	0.07
Bismuth	< 0.15		0.10	0.08
Cadmium	< 0.80	1.50	0.29	0.21
Lead	< 5.00	12.00	8.08	8.32
Mercury	< 1.00	18.00	17.08	8.87
Nickel	< 3.00	7.00	4.16	12.03
Platinum	< 0.60		n.n.	n.n.
Silver	< 1.40		0.16	0.08
Thallium	< 0.60		0.28	0.17
Tin	< 5.00	15.00	2.16	2.17

n.n. = not detected

These 95percentile Reference Ranges listed above are representative for a healthy population. All elements are tested quantitatively.

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