**ARUP** Laboratories 500 Chipeta Way – Salt Lake City, UT 84108

500 Chipeta Way – Salt Lake City, UT 84108 (800)522-2787 - www.aruplab.com Julio C. Delgado, M.D. M.S., Director of Laboratories Patient Age/Gender: 73 years Male Printed: 12-Sep-18 13:08:00

Procedure	Result	Units	Ref Interval	Reported/ ACCESSION Collected Received Verified
Hours Collected	24	hr		18-255-900115 12-Sep-18 12-Sep-18 12-Sep-18
				13:03:00 13:03:00 13:07:26
Total Volume	1850	mL		18-255-900115 12-Sep-18 12-Sep-18 12-Sep-18
				13:03:00 13:03:00 13:07:26
Creatinine, Urine - per volume	75	mq/dL		18-255-900115 12-Sep-18 12-Sep-18 12-Sep-18
				13:03:00 13:03:00 13:07:26
Creatinine, Urine - per 24h	1388	mq/d	[800-2,100]	18-255-900115 12-Sep-18 12-Sep-18 12-Sep-18
oreaction, or me ber bin	1300	5 / 0.	[000 2/100]	13:03:00 13:03:00 13:07:26
Thallium, Urine - per volume	5.0 н	uq/L	[0.0-2.0]	18-255-900115 12-Sep-18 12-Sep-18 12-Sep-18
rializam, orino por voramo		w5/ <b>=</b>	[0.0 2.0]	13:03:00 13:03:00 13:07:26
Thallium, Urine - per 24h	9.2 н	uq/d	[0.0-0.4]	18-255-900115 12-Sep-18 12-Sep-18 12-Sep-18
marram, ormo por bin		u <sub>3</sub> , u	[0.0 0.1]	13:03:00 13:03:00 13:07:26
Thallium, Urine - ratio to CRT	6.7 н	ug/g CRT	[0.0-2.0]	18-255-900115 12-Sep-18 12-Sep-18 12-Sep-18
1110111101110 10010 00 0111		45/5 0111	[0.0 2.0]	13:03:00 13:03:00 13:07:26

12-Sep-18 13:03:00 Thallium, Urine - per volume: INTERPRETIVE INFORMATION: Thallium, Urine

Urinary thallium levels may reflect recent or chronic exposure and the presence of thallium in urine after acute exposure may persist for up to several weeks. Concentrations less than 5 ug/L are unlikely to cause adverse health effects while concentrations greater than 500 ug/L have been associated with clinical poisoning. After severe thallium poisoning reported symptoms have varying times of onset and include gastroenteritis, multi-organ failure and neurologic injury. Peripheral neuropathy and alopecia are well-documented effects of acute and chronic exposure. Human health effects from low level thallium exposure are unknown.

Test developed and characteristics determined by ARUP Laboratories. See Compliance Statement B: aruplab.com/CS

\* Abnormal, # = Corrected, C = Critical, f = Footnote, H = High, L = Low, t = Interpretive Text, @ = Reference Lab

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