

# GCAL Precious Metal Analysis Report

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ISO 17025 Laboratory Accredited

Date	05/24/10	<b>Conclusion</b>		<b>18 Karat Yellow Gold</b>			
Report No.	201300014	<b>Ele</b>	<b>%</b>	<b>+/- 2σ</b>	<b>Ele</b>	<b>%</b>	<b>+/- 2σ</b>
Cust. Lot	YZ-25546	<b>Au</b>	<b>75.08</b>	0.54	<b>Pt</b>	< LOD	0.04
Description	Ring	<b>Ag</b>	<b>12.23</b>	0.43	<b>Ir</b>	< LOD	0.06
Weight	5.58 grams	<b>Cu</b>	<b>10.49</b>	0.38	<b>Pd</b>	< LOD	0.11
Comments	Stamped "18K" & manufacturer's trademark	<b>Zn</b>	<b>2.24</b>	0.22	<b>Rh</b>	< LOD	0.03
		<b>Ni</b>	< LOD	0.01	<b>Ru</b>	< LOD	0.05
		<b>Fe</b>	< LOD	0.00	<b>Co</b>	< LOD	0.10

GCAL utilizes an X-ray fluorescence (XRF) spectrometer, which works on wavelength-dispersive spectroscopic principles. These principles allow us to determine the elemental chemistry of the sample, by determining the presence and relative concentration of elements. This report is not a fire assay nor other destructive test. This report relates only to the item described herein. This is a surface scan measuring 10 to 30 micron. < LOD = Below limit of detection.

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## CELEBRATING 10 YEARS

Common Precious Metal Alloy Element Abbreviations					
Gold	Au	Platinum	Pt	Ruthenium	Ru
Silver	Ag	Iridium	Ir	Nickel	Ni
Copper	Cu	Palladium	Pd	Iron	Fe
Zinc	Zn	Rhodium	Rh	Cobalt	Co

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