

GCAL Premium Precious Metal Analysis Report



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Precious Metal Analysis Report

Date 05/24/10
 Report No. 201300014
 Cust. Lot YZ-25546
 Description Ring
 Weight 5.58 grams
 Comments Stamped "18K" and
 Manufacturer's Trademark



Test Loc. 1 – ring shank
 Conclusion: 18 Karat Yellow Gold
 Test Duration 30.5 sec

Ele	%	+/- 2σ	Ele	%	+/- 2σ
Au	75.086	0.543	Pt	<LOD	0.043
Ag	12.233	0.434	Ir	<LOD	0.062
Cu	10.495	0.382	Pd	<LOD	0.111
Zn	2.249	0.221	Rh	<LOD	0.031
Ni	<LOD	0.011	Ru	<LOD	0.054
Fe	<LOD	0.008	Co	<LOD	0.102

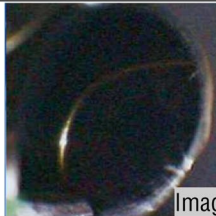
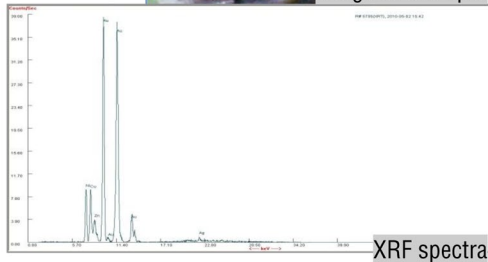


Image of test spot



XRF spectra

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

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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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