

Attachment 1: Sample Radioanalytical Report



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RADIOANALYTICAL RESULTS

Client: Prism USA, Inc.
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Dates Analyzed: 4/10/2012

Date of Report: 4/11/2012

SAMPLE:	1 - blue diamonds	Lot # 0044 C8-A	MASS	3.0 g
	Nuclide	Activity (pCi/g)	MDA (pCi/g)	Flag
	Co-57	0.020 +/- 0.082	0.138	< MDA
	Co-58	0.001 +/- 0.001	0.313	< MDA
	Co-60	0.000 +/- 0.000	0.365	< MDA
	Eu-152	0.036 +/- 0.415	0.700	< MDA
	Eu-154	1.018 +/- 1.374	2.265	< MDA
	Mn-54	0.061 +/- 0.184	0.311	< MDA
	Na-22	0.235 +/- 0.200	0.319	< MDA
	K-40	0.00 +/- 0.00	3.39	< MDA
	Ra-226 series	0.00 +/- 0.00	0.94	< MDA
	Th-232 series	0.87 +/- 0.91	1.50	< MDA

Method: gamma spectroscopy

MDA: Minimum Detectable Activity

Instrument: Canberra HPGe detector; Ortec Trump-PC Multichannel Analyzer

Uncertainties are 1-sigma counting errors.

Standards are traceable to the National Institute of Standards and Technology.

Radioactive Materials License: NYS C2691

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