

## Radionuclide Analysis Facility Gamma Analysis Report

Issued by Meka E. Francis

Report Date: December 22, 2016  
 Work Request #: 16-346  
 Submitted by: S. Pordes on 10/26/2016  
 Workbook: HPGe #2-11, page(s) 144

### LArTF GetterMax

Stephen Pordes submitted a sample of "GetterMax 233" beads on Work Request# 16-346 for analysis of naturally-produced radionuclides. The sample was counted five times using detector HPGe#2. Averaged results for five 24 hour blank counts were subtracted from the averaged sample results. The following table lists radionuclides detected in the sample, along with their corresponding specific activity. Sample activities have been corrected to the time of sampling.

Sample ID#	Sample Time	Description	Container	Count Info	Mass	Count Dates	Radionuclide	pCi/g	Bq/kg
161026MF01	15:11	GetterMax Beads	250 mL Poly Bottle	86,400sec @ 4cm	359.544 g	10/28/16 - 12/16/16	Thorium Series		
							Ac-228	0.29 ± 0.06	11 ± 2
							Pb-212	0.33 ± 0.06	12 ± 2
							Tl-208	0.11 ± 0.02	4.1 ± 0.8
							Uranium Series		
							Pb-214	2.2 ± 0.2	83 ± 8
Bi-214	2.1 ± 0.2	76 ± 6							
							K-40	0.5 ± 0.3	20 ± 10

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