

Project: UNC New Haven		Date:6/21/2017	Uranium Enrichment Calculator						
Sample ID: UNC-2017-002		Comments: Sample consists of one shard of metal.							
Analyte	Results (pCi/g)	Item weight (g)	Item Activity (pCi)	Bq/pCi	Item Activity (Bq)	U Activity %	Specific Activity (Bq/g)	Item Uranium Mass (g)	U Enrichment %
U-234	3.85E+07	0.19	7.31E+06	0.037	270324.731	97.27%	231300000.00	0.00117	1.220%
U-235	1.08E+06		2.05E+05		7573.292	2.73%	80011.00	<b>0.09465</b>	<b>98.780%</b>
U-238	<b>0.00E+00</b>		0.00E+00		0.000	0.00%	12445.000	0.00000	0.00%
		SUM	7.51E+06		277898.023	100%		0.09582	100%

**"0.000"** substituted for non-reported U-238 result values below the measurement critical value (i.e., analytical non-detect at the prescribed MDC)

Project: UNC New Haven		Date:6/21/2017	Uranium Enrichment Calculator						
Sample ID: UNC-2017-003		Comments: Sample consists of one shard of metal.							
Analyte	Results (pCi/g)	Item weight (g)	Item Activity (pCi)	Bq/pCi	Item Activity (Bq)	U Activity %	Specific Activity (Bq/g)	Item Uranium Mass (g)	U Enrichment %
U-234	2.59E+07	0.722	1.87E+07	0.037	691886.723	96.85%	231300000.00	0.00299	1.054%
U-235	8.41E+05		6.08E+05		22477.835	3.15%	80011.00	<b>0.28093</b>	<b>98.946%</b>
U-238	<b>0.00E+00</b>		0.00E+00		0.000	0.00%	12445.000	0.00000	0.00%
		SUM	1.93E+07		714364.558	100%		0.28393	100%

**"0.000"** substituted for non-reported U-238 result values below the measurement critical value (i.e., analytical non-detect at the prescribed MDC)

Project: UNC New Haven		Date:6/21/2017	Uranium Enrichment Calculator						
Sample ID: UNC-2017-004		Comments: Sample consists of one shard of metal.							
Analyte	Results (pCi/g)	Item weight (g)	Item Activity (pCi)	Bq/pCi	Item Activity (Bq)	U Activity %	Specific Activity (Bq/g)	Item Uranium Mass (g)	U Enrichment %
U-234	5.73E+06	0.317	1.81E+06	0.037	67154.460	95.39%	231300000.00	0.00029	0.710%
U-235	2.77E+05		8.78E+04		3249.090	4.61%	80011.00	<b>0.04061</b>	<b>99.290%</b>
U-238	<b>0.00E+00</b>		0.00E+00		0.000	0.00%	12445.000	0.00000	0.00%
		SUM	1.90E+06		70403.550	100%		0.04090	100%

**"0.000"** substituted for non-reported U-238 result values below the measurement critical value (i.e., analytical non-detect at the prescribed MDC)

Project: UNC New Haven		Date:6/21/2017	Uranium Enrichment Calculator						
Sample ID: UNC-2017-005		Comments: Sample consists of one shard of metal.							
Analyte	Results (pCi/g)	Item weight (g)	Item Activity (pCi)	Bq/pCi	Item Activity (Bq)	U Activity %	Specific Activity (Bq/g)	Item Uranium Mass (g)	U Enrichment %
U-234	4.37E+07	0.201	8.79E+06	0.037	325260.021	97.54%	231300000.00	0.00141	1.351%
U-235	1.11E+06		2.22E+05		8218.205	2.46%	80011.00	<b>0.10271</b>	<b>98.649%</b>
U-238	<b>0.00E+00</b>		0.00E+00		0.000	0.00%	12445.000	0.00000	0.00%
		SUM	9.01E+06		333478.226	100%		0.10412	100%

“0.000” substituted for non-reported U-238 result values below the measurement critical value (i.e., analytical non-detect at the prescribed MDC)

Project: UNC New Haven		Date:6/21/2017	Uranium Enrichment Calculator						
Sample ID: UNC-2017-006		Comments: Sample consists of one shard of metal.							
Analyte	Results (pCi/g)	Item weight (g)	Item Activity (pCi)	Bq/pCi	Item Activity (Bq)	U Activity %	Specific Activity (Bq/g)	Item Uranium Mass (g)	U Enrichment %
U-234	2.48E+07	0.206	5.11E+06	0.037	189006.774	97.68%	231300000.00	0.00082	1.434%
U-235	5.89E+05		1.21E+05		4492.575	2.32%	80011.00	<b>0.05615</b>	<b>98.566%</b>
U-238	<b>0.00E+00</b>		0.00E+00		0.000	0.00%	12445.000	0.00000	0.00%
		SUM	5.23E+06		193499.349	100%		0.05697	100%

**"0.000"** substituted for non-reported U-238 result values below the measurement critical value (i.e., analytical non-detect at the prescribed MDC)

Project: UNC New Haven		Date:6/21/2017	Uranium Enrichment Calculator						
Sample ID: UNC-2017-007		Comments: Sample consists of one shard of metal.							
Analyte	Results (pCi/g)	Item weight (g)	Item Activity (pCi)	Bq/pCi	Item Activity (Bq)	U Activity %	Specific Activity (Bq/g)	Item Uranium Mass (g)	U Enrichment %
U-234	1.82E+07	0.047	8.54E+05	0.037	31606.795	97.73%	231300000.00	0.00014	1.470%
U-235	4.22E+05		1.98E+04		733.019	2.27%	80011.00	<b>0.00916</b>	<b>98.530%</b>
U-238	<b>0.00E+00</b>		0.00E+00		0.000	0.00%	12445.000	0.00000	0.00%
		SUM	8.74E+05		32339.813	100%		0.00930	100%

**"0.000"** substituted for non-reported U-238 result values below the measurement critical value (i.e., analytical non-detect at the prescribed MDC)

Project: UNC New Haven		Date:6/21/2017	Uranium Enrichment Calculator						
Sample ID: UNC-2017-008		Comments: Sample consists of one shard of metal.							
Analyte	Results (pCi/g)	Item weight (g)	Item Activity (pCi)	Bq/pCi	Item Activity (Bq)	U Activity %	Specific Activity (Bq/g)	Item Uranium Mass (g)	U Enrichment %
U-234	0.00E+00	0.053	0.00E+00	0.037	0.000	#DIV/0!	231300000.00	0.00000	#DIV/0!
U-235	0.00E+00		0.00E+00		0.000	#DIV/0!	80011.00	<b>0.00000</b>	<b>#DIV/0!</b>
U-238	0.00E+00		0.00E+00		0.000	#DIV/0!	12445.000	0.00000	#DIV/0!
		SUM	0.00E+00		0.000	#DIV/0!		0.00000	#DIV/0!

Sample Was Non-Detect

Project: UNC New Haven		Date:6/21/2017	Uranium Enrichment Calculator						
Sample ID: UNC-2017-009		Comments: Sample consists of one shard of metal.							
Analyte	Results (pCi/g)	Item weight (g)	Item Activity (pCi)	Bq/pCi	Item Activity (Bq)	U Activity %	Specific Activity (Bq/g)	Item Uranium Mass (g)	U Enrichment %
U-234	1.68E+07	0.067	1.13E+06	0.037	41749.285	97.94%	231300000.00	0.00018	1.621%
U-235	3.54E+05		2.37E+04		876.701	2.06%	80011.00	<b>0.01096</b>	<b>98.379%</b>
U-238	<b>0.00E+00</b>		0.00E+00		0.000	0.00%	12445.000	0.00000	0.00%
		SUM	1.15E+06		42625.986	100%		0.01114	100%

"0.000" substituted for non-reported U-238 result values below the measurement critical value (i.e., analytical non-detect at the prescribed MDC)



Project: UNC New Haven		Date:6/21/2017	Uranium Enrichment Calculator						
Sample ID: UNC-2017-010		Comments: Sample consists of one shard of metal.							
Analyte	Results (pCi/g)	Item weight (g)	Item Activity (pCi)	Bq/pCi	Item Activity (Bq)	U Activity %	Specific Activity (Bq/g)	Item Uranium Mass (g)	U Enrichment %
U-234	3.76E+07	0.111	4.18E+06	0.037	154564.070	97.92%	231300000.00	0.00067	1.606%
U-235	7.98E+05		8.85E+04		3275.448	2.08%	80011.00	<b>0.04094</b>	<b>98.394%</b>
U-238	<b>0.00E+00</b>		0.00E+00		0.000	0.00%	12445.000	0.00000	0.00%
		SUM	4.27E+06		157839.518	100%		0.04161	100%

"0.000" substituted for non-reported U-238 result values below the measurement critical value (i.e., analytical non-detect at the prescribed MDC)

Project: UNC New Haven		Date:6/21/2017	Uranium Enrichment Calculator						
Sample ID: UNC-2017-011		Comments: Sample consists of one shard of metal.							
Analyte	Results (pCi/g)	Item weight (g)	Item Activity (pCi)	Bq/pCi	Item Activity (Bq)	U Activity %	Specific Activity (Bq/g)	Item Uranium Mass (g)	U Enrichment %
U-234	2.11E+07	0.012	2.54E+05	0.037	9387.834	97.83%	231300000.00	0.00004	1.534%
U-235	4.69E+05		5.63E+03		208.431	2.17%	80011.00	<b>0.00261</b>	<b>98.466%</b>
U-238	<b>0.00E+00</b>		0.00E+00		0.000	0.00%	12445.000	0.00000	0.00%
		SUM	2.59E+05		9596.264	100%		0.00265	100%

**"0.000"** substituted for non-reported U-238 result values below the measurement critical value (i.e., analytical non-detect at the prescribed MDC)

Project: UNC New Haven		Date:6/21/2017	Uranium Enrichment Calculator						
Sample ID: UNC-2017-012		Comments: Sample consists of one shard of metal.							
Analyte	Results (pCi/g)	Item weight (g)	Item Activity (pCi)	Bq/pCi	Item Activity (Bq)	U Activity %	Specific Activity (Bq/g)	Item Uranium Mass (g)	U Enrichment %
U-234	1.73E+04	0.012	2.08E+02	0.037	7.701	96.43%	231300000.00	0.00000	0.925%
U-235	6.42E+02		7.71E+00		0.285	3.57%	80011.00	<b>0.00000</b>	<b>99.075%</b>
U-238	<b>0.00E+00</b>		0.00E+00		0.000	0.00%	12445.000	0.00000	0.00%
		SUM	2.16E+02		7.986	100%		0.00000	100%

**"0.000"** substituted for non-reported U-238 result values below the measurement critical value (i.e., analytical non-detect at the prescribed MDC)

Project: UNC New Haven		Date:6/21/2017	Uranium Enrichment Calculator						
Sample ID: UNC-2017-013		Comments: Sample consists of one shard of metal.							
Analyte	Results (pCi/g)	Item weight (g)	Item Activity (pCi)	Bq/pCi	Item Activity (Bq)	U Activity %	Specific Activity (Bq/g)	Item Uranium Mass (g)	U Enrichment %
U-234	1.17E+07	0.019	2.22E+05	0.037	8213.297	97.89%	231300000.00	0.00004	1.581%
U-235	2.52E+05		4.78E+03		176.864	2.11%	80011.00	<b>0.00221</b>	<b>98.419%</b>
U-238	<b>0.00E+00</b>		0.00E+00		0.000	0.00%	12445.000	0.00000	0.00%
		SUM	2.27E+05		8390.161	100%		0.00225	100%

**"0.000"** substituted for non-reported U-238 result values below the measurement critical value (i.e., analytical non-detect at the prescribed MDC)

Project: UNC New Haven		Date:6/21/2017	Uranium Enrichment Calculator						
Sample ID: UNC-2017-014		Comments: Sample consists of one shard of metal.							
Analyte	Results (pCi/g)	Item weight (g)	Item Activity (pCi)	Bq/pCi	Item Activity (Bq)	U Activity %	Specific Activity (Bq/g)	Item Uranium Mass (g)	U Enrichment %
U-234	2.35E+07	0.017	4.00E+05	0.037	14794.508	97.65%	231300000.00	0.00006	1.414%
U-235	5.67E+05		9.64E+03		356.699	2.35%	80011.00	<b>0.00446</b>	<b>98.586%</b>
U-238	<b>0.00E+00</b>		0.00E+00		0.000	0.00%	12445.000	0.00000	0.00%
		SUM	4.09E+05		15151.207	100%		0.00452	100%

“0.000” substituted for non-reported U-238 result values below the measurement critical value (i.e., analytical non-detect at the prescribed MDC)