

ISOTOPIC THRESHOLD LIMIT ACTIVITY FOR RADIOACTIVE SAMPLES ON MARS BEAMLINE - F1, F2, F3 and F4 FAMILIES

RN	A max (Bq)	RN	A max (Bq)	RN	A max (Bq)	RN	A max (Bq)	RN	A max (Bq)	RN	A max (Bq)	RN	A max (Bq)	RN	A max (Bq)	RN	A max (Bq)	RN	A max (Bq)
Ac225	1,000E+04	Bk250	1,000E+06	Co60m	1,000E+06	H3	1,5E4/ech - 3E4	Kr88	2,440E+07	Pb201	1,000E+06	Pu244	1,000E+04	Sr80	1,000E+07	Ti202	1,000E+06		
Ac227	1,000E+03	Br82	1,000E+06	Co61	1,000E+06	Hf175	1,000E+06	La140	1,000E+05	Pb203	1,000E+06	Pu245	1,000E+06	Sr81	1,000E+05	Ti204	1,000E+04		
Ac228	1,000E+06	C14	1,000E+07	Co62m	1,000E+05	Hf181	1,000E+06	Lu177	1,000E+07	Pb209	1,000E+06	Ra223	1,000E+05	Sr83	1,000E+06	Ti207	1,000E+03		
Ag105	1,000E+06	Ca45	1,000E+07	Cr51	1,000E+07	Hg197	1,000E+07	Mn51	1,000E+05	Pb210	1,000E+04	Ra224	1,000E+05	Sr85	1,000E+06	Ti208	1,000E+03		
Ag110m	1,000E+06	Ca47	1,000E+06	Cs125	1,000E+04	Hg197m	1,000E+06	Mn52	1,000E+05	Pb211	1,000E+06	Ra225	1,000E+05	Sr85m	1,000E+07	Ti209	1,000E+03		
Ag111	1,000E+06	Cd109	1,000E+06	Cs127	1,000E+05	Hg203	1,000E+05	Mn52m	1,000E+05	Pb212	1,000E+05	Ra226	1,000E+04	Sr87m	1,000E+06	Tm170	1,000E+06		
Al28	1,000E+05	Cd113m	1,000E+06	Cs129	1,000E+05	Ho166	1,000E+05	Mn54	1,000E+06	Pb214	1,000E+06	Ra227	1,000E+06	Sr89	1,000E+06	Tm171	1,000E+08		
Am237	1,000E+06	Cd115	1,000E+06	Cs130	1,000E+06	Ho166m	1,000E+06	Mn56	1,000E+05	Pd103	1,000E+08	Ra228	1,000E+05	Sr90-Y90	1,000E+04	U230	1,000E+05		
Am238	1,000E+06	Cd115m	1,000E+06	Cs132	1,000E+05	Il20	1,000E+05	Mo101	1,000E+06	Pd107	1,000E+08	Rb86	1,000E+05	Sr91	1,000E+05	U231	1,000E+07		
Am239	1,000E+06	Ce134	1,000E+07	Cs134	1,000E+04	Il20m	1,000E+05	Mo90	1,000E+06	Pd109	1,000E+06	Rb87	1,000E+07	Sr92	1,000E+06	U232	1,000E+03		
Am240	1,000E+06	Ce135	1,000E+06	Cs134m	1,000E+05	Il21	1,000E+06	Mo93m	1,000E+06	Pm147	1,000E+07	Re183	1,000E+03	Ta182	1,000E+04	U233	1,000E+04		
Am241	1,000E+04	Ce137	1,000E+07	Cs135	1,000E+07	Il23	1,000E+07	Mo99	1,000E+06	Pm148	1,000E+05	Re186	1,000E+06	Ta183	1,000E+06	U234	1,000E+04		
Am242	1,000E+06	Ce137m	1,000E+06	Cs135m	1,000E+06	Il24	1,000E+06	Na22	1,000E+06	Pm148m	1,000E+06	Re188	1,000E+05	Tb160	1,000E+06	U235	1,000E+04		
Am242m	1,000E+04	Ce139	1,000E+06	Cs136	1,000E+05	Il25	1,000E+06	Na24	1,000E+05	Pm149	1,000E+06	Rh103m	1,000E+08	Tc96	1,000E+06	U235m	1,000E+03		
Am243	1,000E+03	Ce141	1,000E+07	Cs137-Ba137m	1,000E+04	Il26	1,000E+06	Nb88	1,000E+05	Po203	1,000E+06	Rh105	1,000E+07	Tc96m	1,000E+07	U236	1,000E+04		
Am244	1,000E+06	Ce143	1,000E+06	Cs138	1,000E+04	Il28	1,000E+05	Nb89	1,000E+05	Po205	1,000E+06	Rn219	1,000E+03	Tc97m	1,000E+07	U237	1,000E+06		
Am244m	1,000E+07	Ce144-Pr144	1,000E+07	Cu64	1,000E+06	Il29	1,000E+05	Nb90	1,000E+05	Po207	1,000E+06	Rn220	1,000E+07	Tc99	1,000E+07	U238	1,000E+04		
Am245	1,000E+06	Cf244	1,000E+07	Dy165	1,000E+06	Il30	1,000E+06	Nb93m	1,000E+07	Po209	1,000E+04	Rn222	1,000E+08	Tc99m	1,000E+07	U239	1,000E+06		
Am246	1,000E+05	Cf246	1,000E+06	Dy166	1,000E+06	Il31	1,000E+06	Nb94	1,000E+06	Po210	1,000E+04	Ru103	1,000E+06	Te116	1,000E+07	U240	1,000E+07		
Am246m	1,000E+06	Cf249	1,000E+06	Er169	1,000E+06	Il32m	1,000E+06	Nb95	1,000E+06	Po211	1,000E+03	Ru105	1,000E+06	Te121	1,000E+06	V48	1,000E+05		
Ar41	3,94E+07	Cf250	1,000E+04	Er171	1,000E+06	Il33	1,000E+06	Nb96	1,000E+05	Po212	1,000E+03	Ru106-Rh106	1,000E+05	Te121m	1,000E+06	W181	1,000E+07		
As73	1,000E+07	Cf251	1,000E+03	Es253	1,000E+05	Il34	1,000E+05	Nb97	1,000E+06	Po213	1,000E+03	Ru97	1,000E+07	Te123m	1,000E+07	W185	1,000E+07		
As74	1,000E+06	Cf252	1,000E+04	Es254	1,000E+04	Il35	1,000E+06	Nb98	1,000E+05	Po214	1,000E+03	S35	1,000E+08	Te127	1,000E+06	W187	1,000E+06		
As76	1,000E+05	Cf253	1,000E+05	Eu152	1,000E+06	In111	1,000E+06	Nd147	1,000E+06	Po215	1,000E+03	Sb122	1,000E+04	Te127m	1,000E+07	Xe131m	1,000E+04		
As77	1,000E+06	Cf254	1,000E+03	Eu152m	1,000E+06	In114m	1,000E+06	Nd149	1,000E+06	Po216	1,000E+03	Sb124	1,000E+06	Te129	1,000E+06	Xe133	1,000E+04		
At211	1,000E+07	Ci36	1,000E+06	Eu154	1,000E+06	In113m	1,000E+06	Ni59	1,000E+08	Po218	1,000E+03	Sb125-Te125m	1,000E+06	Te129m	1,000E+06	Xe135	3,595E+08		
At217	1,000E+03	Ci38	1,000E+05	Eu155	1,000E+07	In115m	1,000E+06	Ni63	1,000E+08	Pr142	1,000E+05	Sb126	1,000E+05	Te131	1,000E+05	Y91	1,000E+06		
Au196	1,000E+03	Cm241	1,000E+06	Eu156	1,000E+06	Ir190	1,000E+06	Ni65	1,000E+06	Pr143	1,000E+06	Sc46	1,000E+06	Te131m	1,000E+06	Y91m	1,000E+06		
Au198	1,000E+06	Cm242	1,000E+05	F18	1,000E+06	Ir192	1,000E+04	Np237	1,000E+03	Pl191	1,000E+06	Sc47	1,000E+06	Te132	1,000E+07	Y92	1,000E+05		
Au199	1,000E+06	Cm243	1,000E+04	Fe52	1,000E+06	Ir194	1,000E+05	Np238	1,000E+06	Pl193m	1,000E+07	Sc48	1,000E+05	Te133	1,000E+05	Y93	1,000E+05		
Ba131	1,000E+06	Cm244	1,000E+04	Fe55	1,000E+06	K40	1,000E+06	Np239	1,000E+07	Pl197	1,000E+06	Se75	1,000E+06	Te133m	1,000E+05	Yb169	1,000E+07		
Ba140	1,000E+05	Cm245	1,000E+03	Fe59	1,000E+06	K42	1,000E+06	Np240	1,000E+06	Pl197m	1,000E+06	Se79	1,000E+07	Te134	1,000E+06	Yb175	1,000E+07		
Be10	1,000E+06	Cm246	1,000E+03	Fm254	1,000E+07	K43	1,000E+06	Os185	1,000E+06	Pu234	1,000E+07	Si31	1,000E+06	Th226	1,000E+07	Zn65	7,06E+05		
Be7	1,000E+07	Cm247	1,000E+04	Fm255	1,000E+06	K74	1,000E+09	Os191	1,000E+07	Pu236	1,000E+04	Sm151	1,000E+08	Th227	1,000E+04	Zn69	1,000E+06		
Bi206	1,000E+05	Cm248	1,000E+03	Fm256	1,000E+03	K76	1,000E+09	Os191m	1,000E+07	Pu237	1,000E+07	Sm153	1,000E+06	Th228	1,000E+04	Zn69m	1,000E+06		
Bi207	1,000E+06	Cm249	1,000E+06	Fr221	1,000E+03	K77	1,000E+09	Os193	1,000E+06	Pu237m	1,000E+03	Sn113	1,000E+07	Th229	1,000E+03	Zr86	1,000E+07		
Bi210	1,000E+06	Co55	1,000E+06	Fr223	1,000E+06	K79	1,000E+05	P32	1,000E+05	Pu238	1,000E+04	Sn119m	1,000E+07	Th230	1,000E+04	Zr88	1,000E+06		
Bi211	1,000E+03	Co56	1,000E+05	Ga67	1,000E+06	Kr81	1,000E+07	Pa230	1,000E+06	Pu239	1,000E+04	Sn121	1,000E+07	Th231	1,000E+07	Zr89	1,000E+06		
Bi212	1,000E+05	Co57	1,000E+06	Ga72	1,000E+05	Kr83m	1,850E+10	Pa231	1,000E+03	Pu240	1,000E+03	Sn121m	1,000E+07	Th232	1,000E+04	Zr93	1,000E+07		
Bi213	1,000E+06	Co58	1,000E+06	Gd153	1,000E+07	Kr85	1,000E+04	Pa233	1,000E+07	Pu241	1,000E+05	Sn123	1,000E+06	Th234	1,000E+05	Zr95	1,000E+06		
Bi214	1,000E+05	Co58m	1,000E+07	Gd159	1,000E+06	Kr85m	1,276E+09	Pa234	1,000E+06	Pu242	1,000E+04	Sn125	1,000E+05	Ti200	1,000E+06	Zr97	1,000E+05		
Bk249	1,000E+06	Co60	1,000E+05	Ge71m	1,000E+03	Kr87	6,898E+07	Pa234m	1,000E+03	Pu243	1,000E+07	Sn126	1,000E+05	Ti201	1,000E+06				