

Radiation from Household Items

Household Item	Radioactive Material	Alpha Radiation (ZnS Scintillator)		Beta Radiation (Geiger-Muller Tube)		Gamma Radiation (NaI Scintillator)	
		counts/min	dpm/100cm ²	counts/min	dpm/100cm ²	µR/hour	counts/min
		(gross)	(net)	(gross)	(net)	(gross)	(gross)
Background Radiation		1	10	50	1975	10	2000
Camping Lantern Mantle	Thorium-232	1400	13640	4500	175775	20	4000
NoSalt (Potassium Chloride)	Potassium-40	1	0	500	17775	10	2000
Smoke Detector	Americium-241	1	0	50	0	40	7000
Weld Rod	Thorium-232	100	965	1000	37525	30	7000
Fiestaware	Uranium	2000	19490	45000	1775525	70	13000
Fertilizer (Potassium Sulphate)	Potassium-40	1	0	350	11850	14	2800
Fertilizer (Superphosphate)	Uranium	1	0	150	3950	15	3400
Lead Crystal Glassware	Lead-210	1	0	150	3950	10	2000
Household Airborne Dust	Radon daughters	450	4378	2500	96775	10	2000

Regulatory Standards for Release of Radiological Facilities and Materials	Thorium	-	1000	-	1000	15	3000
	Uranium	-	5000	-	-	15	3000
	Fission Products	-	-	-	5000	15	3000