

GAMMA REFERENCE STANDARD SET TYPE: GS 290

Technical Data

GS290 consists of a set of FIVE/SIX uncalibrated Gamma reference sources evaporated and sealed on 25mm dia x 5mm plastic disc covering ranging from 100KeV upto 1.33MeV energies with activity in the range of 2 to 5 micro curie. A reference chart for this is given below. These radioactive sources offered are from BRIT. This serves as an uncalibrated (for activity) reference set for use with GR 611M & 611 & Gamma ray spectroscopy system with MCA. These set can be used for energy calibration purpose. The accuracy of these sources is in the range of +/-10%. All these disc sources are enclosed in a neatly polished wooden box.



Isotope	Energy MeV	Nominal Activity	Half life
Co-57	0.123	2-5 μ ci	273 Days
Ba-133	0.36 (Main)	2-5 μ ci	7.5 Years
Na-22	0.511; 1.280	2-5 μ ci	2.6 Years
Cs-137	0.662	2-5 μ ci	30 Years
Co-60	1.17; 1.33	2-5 μ ci	5.3 Years