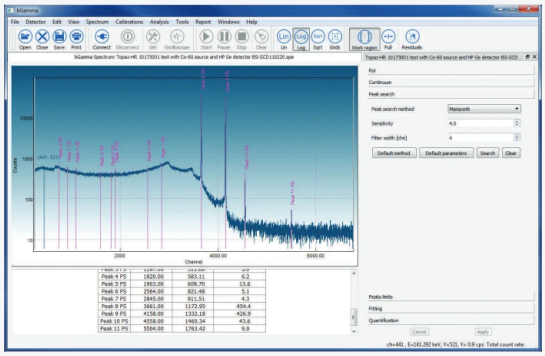
BRIGHTSPEC

bGamma

Software for gamma-ray spectrum analysis, nuclide identification and quantification

Comprehensive software for gamma-ray spectrum analysis and for identifying and quantifying radionuclides. It can analyse spectra independently of detector type, geometry and sample – from high-resolution germanium to scintillators such as $LaBr_3$ and NaI(Tl) – and also controls data acquisition with a detector and MCA.



Primary function

Gamma-ray spectrum analysis with radionuclide identification and quantification, independent of detector type, geometry and sample [1]

Functions

Controls data acquisition; automatic peak search; energy, shape and efficiency calibration; fitting methods including Bayesian fitting [1]

Nuclide library

The entire radionuclide decay emission database [2]

Specifications

Primary function	Gamma-ray spectrum analysis with radionuclide identification and quantification, independent of detector type, geometry and sample	[1]
Functions	Controls data acquisition; automatic peak search; energy, shape and efficiency calibration; fitting methods including Bayesian fitting	[1]
Nuclide library	The entire radionuclide decay emission database	[2]
File formats	wn XML files (*.gxml); imports e.g. ORTEC (*.chn) and Canberra (*.cnf)	[2]
Listed operating system	Windows (XP to 10, 32 and 64-bit), macOS and Linux	[2]
Licences	Single licence for one or multiple inputs, network licence; package with Topaz-HR	[2]

Sources

[1] **bGamma**
BrightSpec · product-page · Product page; Product page – Main features · checked 2026-10-16
https://www.brightspec.be/brightspec/?q=node/42

[2] **bGamma specifications (V1.3)**
BrightSpec · datasheet · p. 2, Nuclide library; p. 1, Features; p. 1, Features; p. 2, System requirements · checked 2026-10-16
https://www.brightspec.be/brightspec/downloads/bGamma_Spec_V1.3_Simple.pdf

Every value is taken from the manufacturer's own document; the number after the value refers to the source list. Always check against the latest datasheet before ordering.

The data comes from the manufacturer's published documents. Manufacturers may change specifications; the current configuration and performance are confirmed in the quotation.