BALTIC SCIENTIFIC INSTRUMENTS

Bringing Solutions

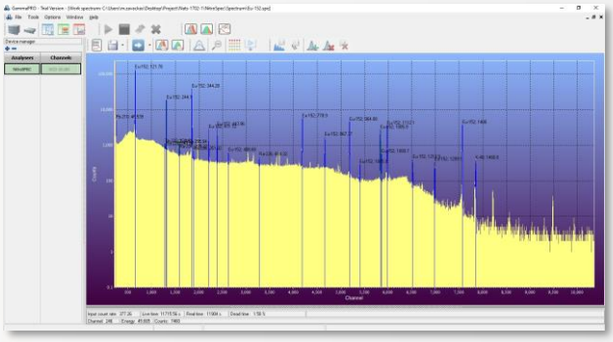
Gamma analysis software GammaPRO

Gamma analysis software GammaPRO

FUNCTIONALITY

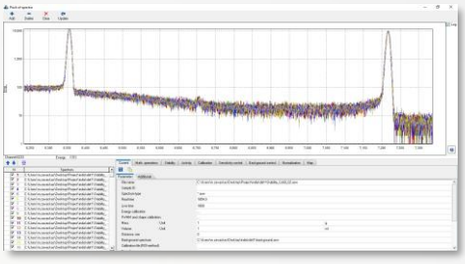
GammaPRO provides all the tools necessary for separate peak analysis, namely:

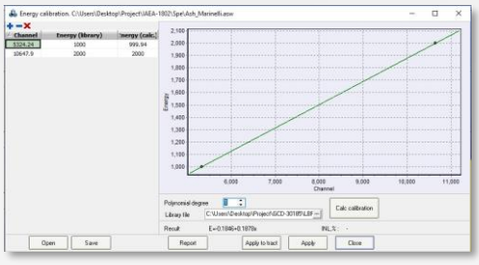
- Energy calibration
- Direct peak search in spectrum and peak search considering the radionuclides and their peak energies specified in the library
- Peak and multiplet fit by Gaussian and other functions
- Automatic identification of peaks considering count sample density as a calculation parameter considering background as a calculation parameter
- Calculation of efficiency curves (efficiency calibration), FWHM calibration, peak shape calibration

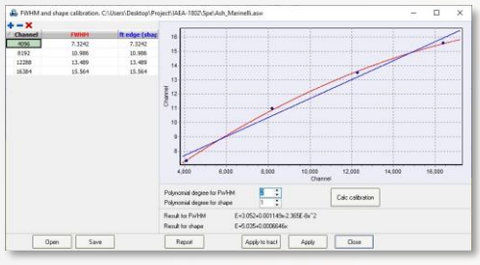


FEATURES

- Visualization of spectra and spectrum acquisition progress;
- Peak search and fit by Gaussian
- Identification of radionuclides
- Energy, FWHM and peak shape calibration
- Calculation of efficiency curves and sensitivities
- Calculation of activity by peak method
- True summation correction
- Calculation of activity by matrix (ROI) method
- Calculation of ambient dose
- Calculation of MDA according ISO 11929
- Simple and easy to use report editor
- Library of radionuclides and library editor
- Mathematical operations (sum, subtraction, normalization etc)
- Batch spectra processing
- Simple and easy to use report editor
- Library of radionuclides and library editor
- Quality assurance control
- Database MS Access which provides transfer and storage of measurement results in a database
- Log which provides automatic registration and storage of measurement and quality assurance results
- Support for the main spectrum formats: SPE, N42, CNF, CHN, SPC, ASW, TXT etc.







ADDITIONAL MODULES

Scenario module - The module allows you to automate the process of operating the software remotely by external devices that are being integrated with gamma spectrometers. Possible to integrate gamma spectrometer with:

- Robotic sample changers
- Nuclear waste assay monitors
- Free release monitors
- Whole body counters and spectrometers
- Mobile measurement systems
- etc.

FRM module - The module is intended for spectrum analysis acquired on Free Release Monitor:

- Calculate the specific activity of hard-to-measure nuclides using the nuclide vector method
- display in 3D the distribution of activity over the volume of the sample
- show on the 3D model of the measured sample the found areas with high radioactivity (the so-called "hot" spots).

Baltic Scientific Instruments
Ramulu str. 3
Riga, LV-1005
Latvia

Phone: +371 67383947
E-mail: sales@bsi.lv
www.bsi.lv

Gamma-rays