

SCIONIX HOLLAND BV
Dedicated Scintillation Detectors

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Dedicated
Scintillation detectors

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HANDLING INSTRUCTIONS BGO

BGO is a rugged 400 –500 nm emitting scintillator that has mechanical properties like glass. The material is not hygroscopic but the following handling instructions should be followed carefully :

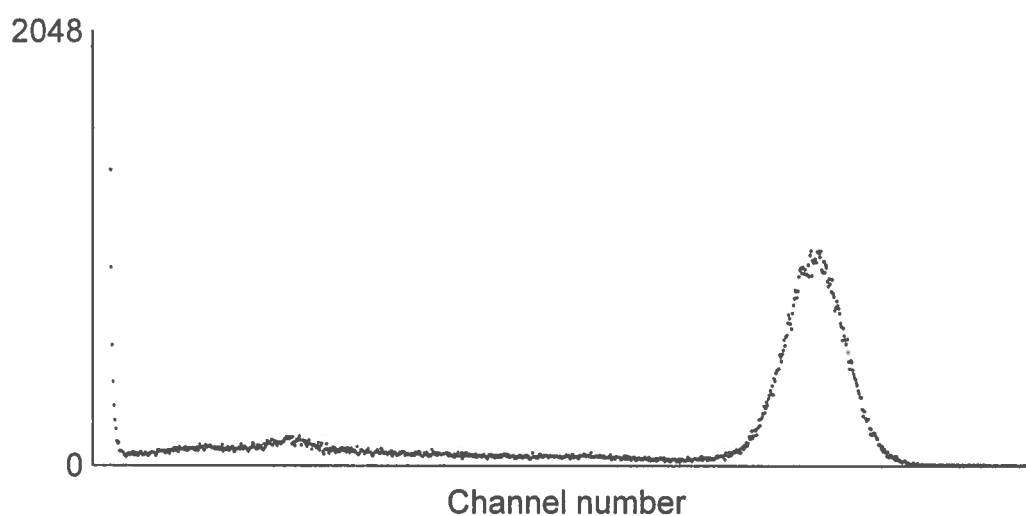
- Clean BGO crystals only with 96 % ethanol or methanol
- Crystals can be wrapped with reflective material like TYVEK or similar or painted.
- Do NOT expose **bare** unwrapped BGO crystals to bright (UV) light from lamps or from the sun. Handle crystals under subdued light conditions. Failure to do so may result in a slight colouration of the crystals which decreases the light output and degrades the energy resolution.

Nov. 2004

BGO_handling.doc

TESTSHEET

Detector type : VS-1368-11
Crystal : BGO
Read-out : Hamamatsu 3 1/2" Type R10233-100
Serial number : S2AA5811



TEST RESULTS

Nuclide : Cs-137 (662 keV)
Energy resolution : 9.5 %
Noise : N/A
Peak to valley : N/A
GEE : N/A
High voltage : + 990 V
Date : 13 February 2018
Remarks : N/A
Tested by : Eric Schlamann

Signature :

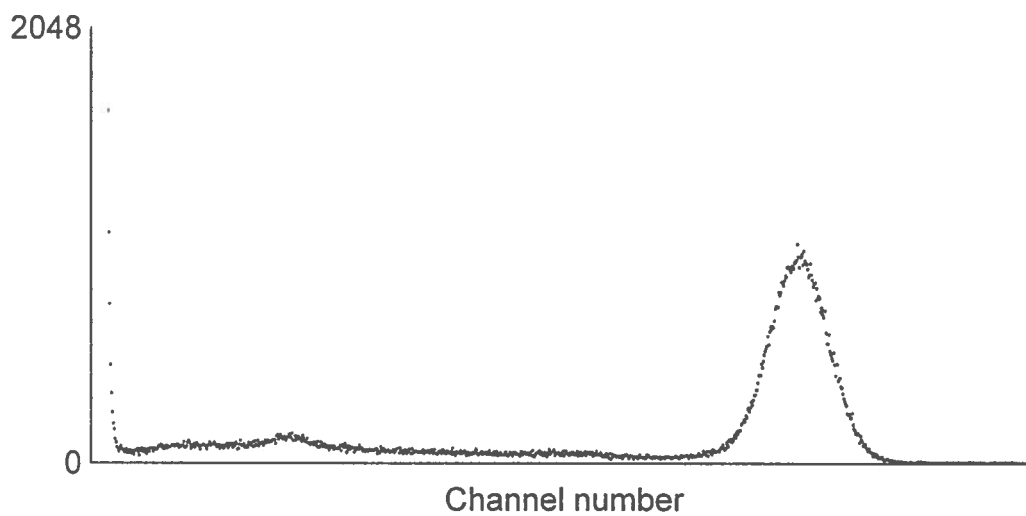




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TESTSHEET

Detector type : VS-1368-11
Crystal : BGO
Read-out : Hamamatsu 3 1/2" Type R10233-100
Serial number : S2AA5812



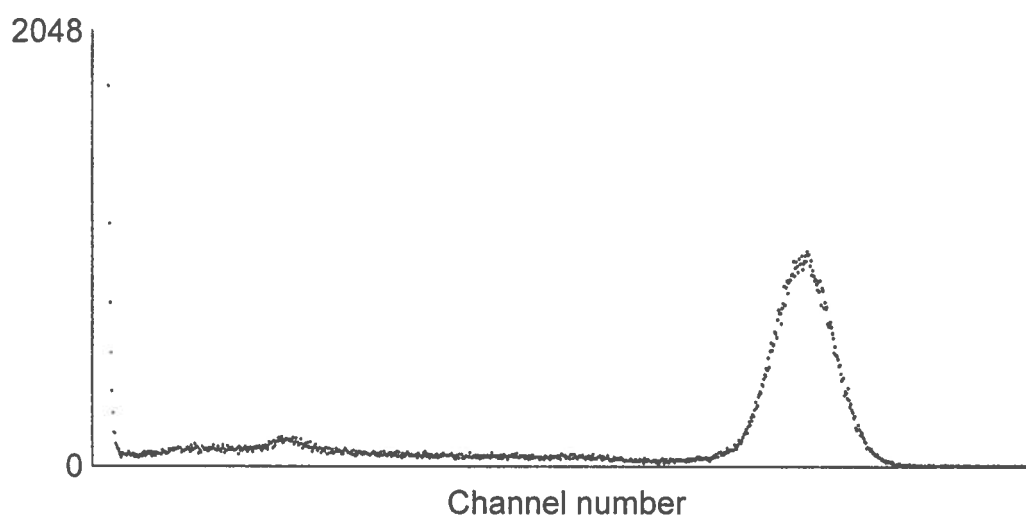
TEST RESULTS

Nuclide : Cs-137 (662 keV)
Energy resolution : 9.6 %
Noise : N/A
Peak to valley : N/A
GEE : N/A
High voltage : + 990 V
Date : 13 February 2018
Remarks : N/A
Tested by : Eric Schlamann

Signature :

TEST SHEET

Detector type : VS-1368-11
Crystal : BGO
Read-out : Hamamatsu 3 1/2" Type R10233-100
Serial number : S2AA5813



TEST RESULTS

Nuclide : Cs-137 (662 keV)
Energy resolution : 9.7 %
Noise : N/A
Peak to valley : N/A
GEE : N/A
High voltage : + 990 V
Date : 13 February 2018
Remarks : N/A
Tested by : Eric Schlamann

Signature :