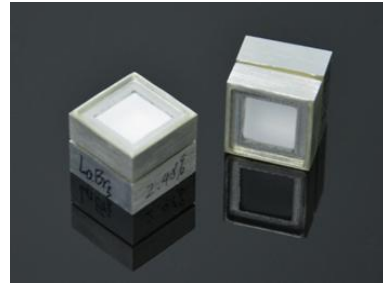


LaBr₃:Ce scintillators as a new generation of nuclear radiation detection scintillation material, they have a outstanding performance: high energy resolution, high time resolution, high light output, good energy non-linearity and short decay time, etc. they are widely used in environment monitoring, oil well logging, nuclear medicine, high-energy physics, security, counter-terrorism, nuclear identification.



Features:

- High light output
- Excellent energy resolution
- Fast decay time
- High count rate capabilities
- Excellent radiation hardness

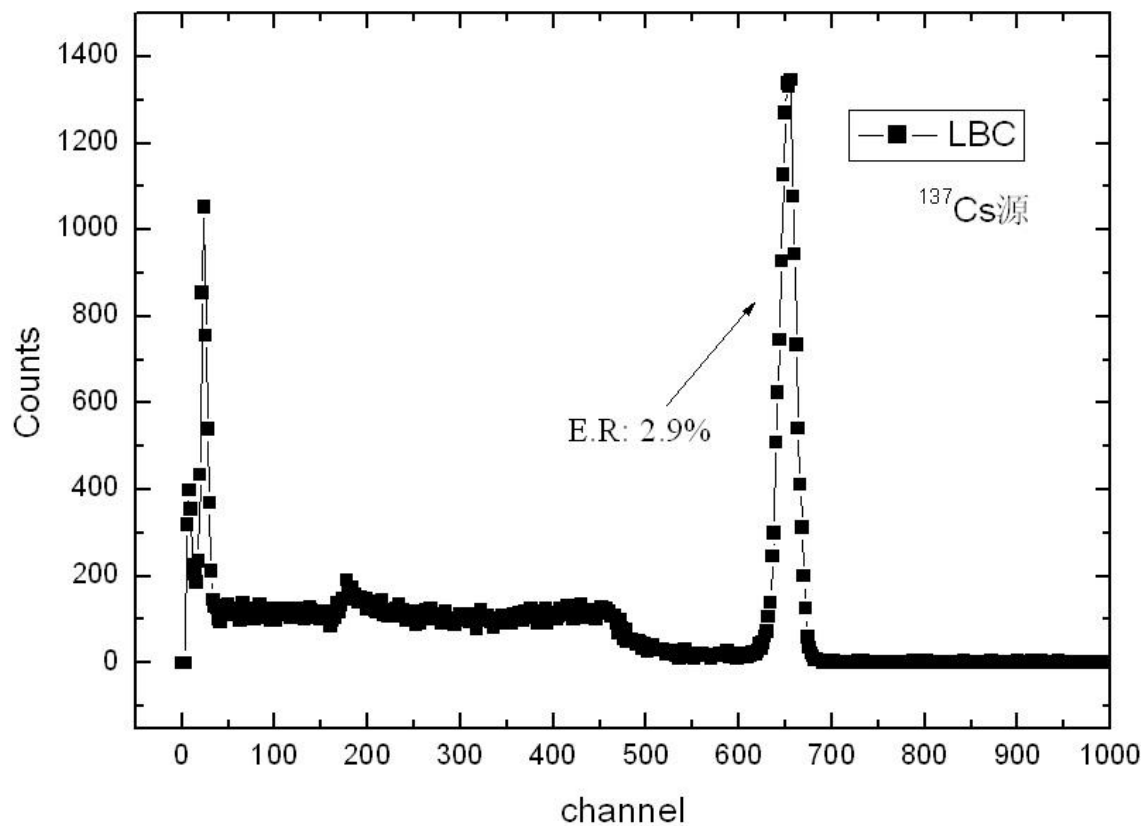
Ability:

- Formula: LaBr₃(Ce)
- Maximum dimension: φ 75 mm x 75 mm
- Available items: single crystals with Alumium housing and optical windows

Basic Properties:

Basic Properties	
Melting Point (°C)	1116
Density (g/cm ³)	5.2
Hygroscopic	Yes
Wavelength of Emission Max. (nm)	380
Refractive Index @ Emission Max.	1.90
Decay Time (ns)	25
Energy Resolution (%)	<3.5
Light Yield (photons/MeV)	63000
Cleavage Plane	<100>

Spectrum of the LaBr₃(Ce) Scintillators:



Application Notes:

- High energy physics
- Nuclear radiation detection
- Oil well logging