

Laser Crystals

NLO Crystals

Birefringent Crystals

AO and EO Crystals

Magneto-optical Crystal

Scintillation Crystal

LaBr₃:Ce

Introductions



LaBr₃:Ce Scintillators are the main components of nuclear radiation detector. LaBr₃:Ce Scintillation Detector can be used to detect the ionizing radiation just like X-rays and Gamma rays, etc.

The high light yield, good energy resolution, short decay time and small nonlinear response of LaBr₃:Ce make it widely used in the international

terrorism, nuclear material control, Security Check, Energy, Nuclear medicine, industrial metrology, oil well logging and other fields.

Basic Properties

Items	Specification
Density	5.2g/cm ³
Nonlinear Energy	≤6% @ (30keV-1.3MeV)
Peak luminous wavelength	380nm
The decay time of principal components	≤30ns
Energy resolution	3-3.9 % @ 662keV

 LaBr₃:Ce

Crystal

LaBR 01