

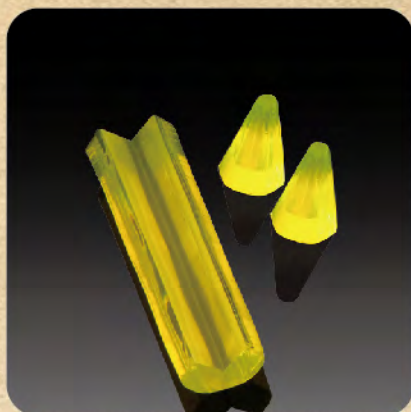
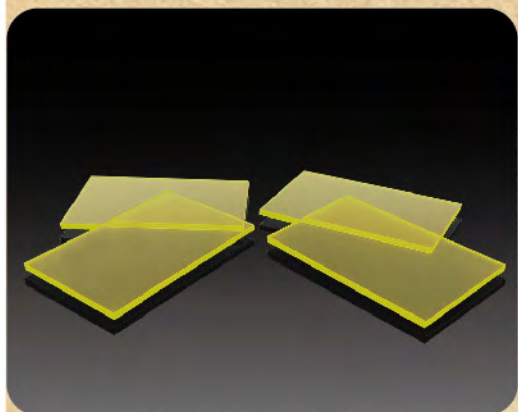


Epic-Crystal

**Efficient, Professional,  
Intelligent, Customer-Oriented**

上海烁杰晶体材料有限公司

# YAG(CE) SCINTILLATOR





# YAG(Ce) Scintillator

YAG(Ce) is a non-hygroscopic, chemically inert inorganic scintillator. The wavelength of the maximum emission at 550 nm is well matched to CCD sensitivity. YAG(Ce) is a reasonably fast scintillator with a relative light yield of 12% of NaI(Tl).

## BASIC INFORMATION

Growth method: Czochralski  
Cerium content: 0.2-0.4at%  
Dimensions(maximum):  $\varnothing$  80 mm x 200 mm length  
Available items: Single crystal

## GENERAL PROPERTIES

Density(g.cm <sup>-3</sup> ).....	4.56
Decay time(ns).....	75
Light output(Photons/Mev).....	9,000
Melting point(K).....	2243
Wavelength of emission peak(nm).....	550
Hardness(Mho).....	8.50
Refractive index.....	1.82
Hygroscopic.....	no
Cleavage.....	no

## FEATURES

High temperature resistance、 Stable mechanical and thermal properties、 CCD sensitivity

## APPLICATIONS

X-ray spectroscopy

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