

YAG / LuAG

Characteristics

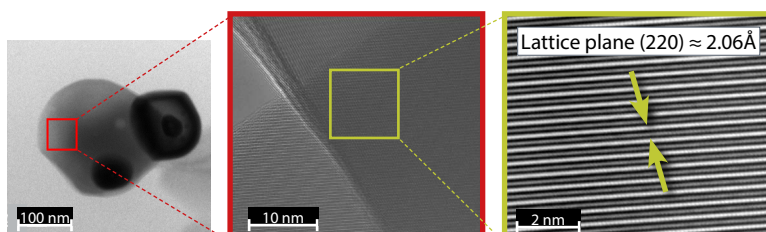
Standard Phosphors products (Typical values)		YAG:Ce	LuAG:Ce
Ce content (at%)		0 - 3.3	
Specific Surface Area (m ² /g) <i>BET</i>		7	
Particle Size Distribution (μm)	d ₁₀	0.08	
	d ₅₀	0.15	
	d ₉₀	0.28	
Elemental Analysis (ppm) <i>ICP</i>	Na	≤ 10	
	K	≤ 10	
	Ca	≤ 10	
	Mg	≤ 10	
	Fe	≤ 10	
	Cr	≤ 2	
	Si	≤ 100	
S	≤ 300		

> Phosphors product range characteristics:

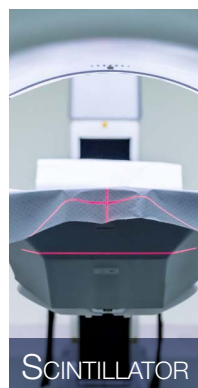
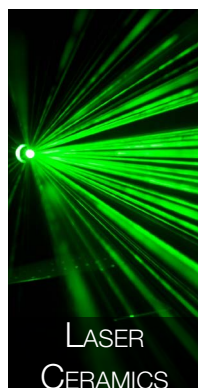
- High chemical purity
- Controlled in particle size and size distribution [high sintering reactivity without any sintering aid]
- Excellent crystallographic phase purity
- High crystallinity
- Homogeneous distribution of the activators in the garnet lattice.

*Baikowski's YAGs and LuAGs are characterized by their **high crystallinity, chemical purity, control of submicronic size & distribution, and optimized distribution of activators within the lattice allowing excellent optical properties (quantum yield...).***

> Nano-scale crystallinity of our YAG



Applications



Baikowski® can tailor YAG and LuAG products to meet customer requirements with a variety of dopants & substituents:

- Dopants: Cr, Er, Yb, Nd...
- Substituents: Gd, Ga...





Your solution partner for fine minerals



©BAIKOWSKI® A/2020/EN

Baikowski® SA
France | Poisy | ☎ +33 4 50 22 69 02

Mathym® SAS
France | Lyon | ☎ +33 4 78 83 72 93

Baikowski® Malakoff Inc.
USA | Malakoff (TX) | ☎ +1 903-489-1910

Baikowski® International Corp.
USA | Charlotte (NC) | ☎ +1 704-587-7100

www.baikowski.com
sales@baikowski.com



Follow us:    

Sales Representative in China
China | Shanghai | ☎ +86 21.6289.2883

Baikowski® Korea Co, Ltd.
Korea | Seoul | ☎ +82 255.281.97

Baikowski® Japan Co, Ltd.
Japan | Chiba | ☎ +81 474.73.8150

The information and data contained in this document are based on tests believed to be reliable and are indicative only. They are given to demonstrate the typical values attached to every single product in the range, but should under no circumstance be considered as a formal commitment. Depending on the measurement methods and/or instrumentation, the results may vary from information provided herein. Baikowski® and its related companies (subsidiary and affiliated companies) are neither responsible nor liable for results obtained from the use of the products. Because of numerous factors affecting results, Baikowski® makes no warranty of any kind, express or implied, including those of merchantability and fitness for a particular purpose. Each purchaser must conduct its own testing for safety and regulatory evaluations. **Baikowski SA reserves the right to change the information given herein without prior notice.**