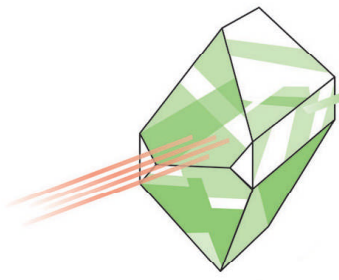


Grown in France,
manufactured in France, sold worldwide



**CRISTAL
 LASER®**
 www.cristal-laser.com



BAIKOWSKI



CERAMIC YAG PRODUCTS

Both Ceramic YAG and single YAG crystals have same absorption and emission spectrums, fluorescence lifetime and thermal conductivity.

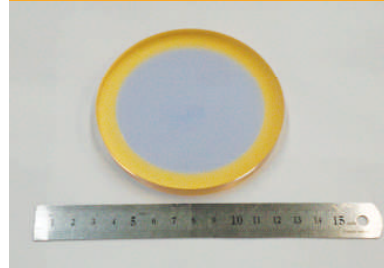
SPECIFICATIONS	SINGLE YAG CRYSTAL	CERAMIC YAG
Max aperture	30mm dia. for Nd:YAG	100x350mm
Maximum dopant concentration	Nd: 2%	Nd: 4%
Doping gradient	Yes (due to Czochralski pulling method)	No
Dopant concentration tolerance	+/-0.1%	+/-0.02%
Optical homogeneity	Bulk striations and index variations in large size	No bulk striations
Composite products	Yes bonded	Yes co-sintered
Special shapes	Hardly available	Available
Resistance to mechanical stress		1.5x higher than single crystal
Resistance to fracture		4x higher than single crystal

Cladding options to avoid parasitic lasing

Cr:YAG cladding for Yb: YAG
 100-120 x 8.5 mm



Sm:YAG cladding for Nd: YAG
 Φ 80-100 x 10 mm



Side grooving, co-sintered composite and bonded products available!

Cristal Laser distributes Baikowski's ceramic products in Europe.

For more information, please contact mail@cristal-laser.fr