

SPINEL

PURITY - PSD CONTROL - TRANSPARENCY

Characteristics

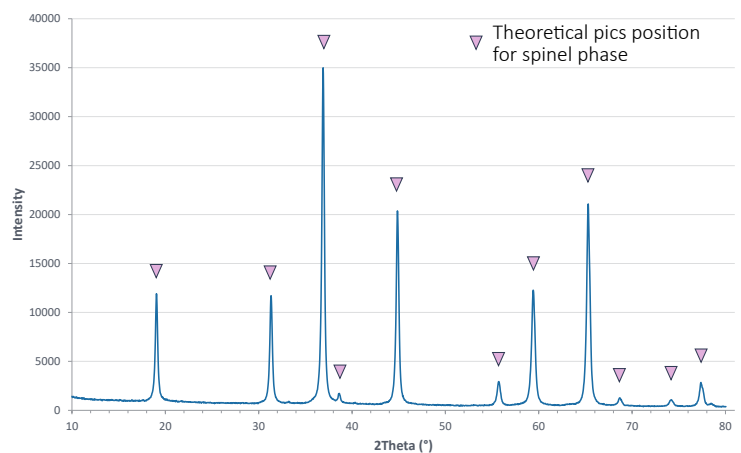
Standard Spinel product (Typical values)		S25CR	S30CR
Chemical Composition		$MgAl_2O_4$	
Crystalline phase (%)		≥ 99% Spinel	
Corundum		≤ 0.5%	
Periclase		≤ 0.5%	
Specific Surface Area (m ² /g) BET		22	27
Particle Size Distribution (μm)		d ₅₀ 0.25	
Elemental Analysis (ppm) ICP	S	60	500
	Fe	≤ 10	≤ 15
	Na	≤ 50	≤ 70
	Si	≤ 30	≤ 30
	Ca	≤ 45	≤ 60
	K	≤ 50	≤ 200
Processability		Adapted to your ceramic process	

> Spinel product range **characteristics**:

- Controlled in particle size and size distribution
- High chemical purity
- Accurately controlled in crystallographic phase

The best choice between our two spinel standard products strongly depends on your ceramic process.

> XRD spectrum - S30CR



Applications

> The main characteristics of our Spinel products bring **advanced transparency** with a low scattering loss, without any coloration or defect (black or white spots), and **high mechanical properties**.



PRODUCT DESIGN

Possibility to customize the Spinel SSA and chemical composition: Al/Mg stoichiometry and Co, Mn and Fe doping.

Applications in catalysis and luxury.



With great powder comes great responsibility



Baikowski® 

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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