

CB MINERALS

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INDUSTRIAL MINERALS SINCE 1897

HIGH PURITY QUARTZ, LOW ALPHA NC1-LA12

This is both a very high purity Silica and finely divided it is used as a filler where UV transmission and lack of alpha emitting elements is important. High Purity Quartz is completely different from standard commercial grades; the buyer can expect substantially different results due to the near zero impurities. .

Chemical content of the solid material:

SiO₂ 99.996%
Impurities 35 ppm

Max values of other elements:

Na ppm	K ppm	Li ppm	Al ppm	Ca ppm	Fe ppm	Ti ppm	U ppb	Th ppb
4	1.5	5	28	1	1	5	0.5	0.3

Content of water-soluble ions:

F ⁻	mg/l	<0.05
Cl ⁻	mg/l	0.16
NO ₂ ⁻	mg/l	<0.05
Br ⁻	mg/l	<0.1
NO ₃ ⁻	mg/l	0.42
PO ₄ ³⁻	mg/l	<0.2
SO ₄ ²⁻	mg/l	<0.2

Particle size per cilas:

-50 micron	99.73%
-20micron	73.07%
-10 micron	45.03%.
-5 micron	28.17%
-2 micron	13.79%
-1 micron	4.98%

Whiteness:

RX	RY	RZ	R457
98.0	97.8	97.6	97.4

Conductivity:

mS/m (□S/cm)	0.21
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pH:

pH	6.5
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