

# CHARLES B. CHRYSTAL CO., INC

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INDUSTRIAL MINERALS SINCE 1897

## HIGH PURITY QUARTZ NC2-A 100-300

This material has impurities totally 10 ppm. used in quartz lamps, tubing, and crucibles

### Chemical content of the solid material:

$\text{SiO}_2 > 99.999\%$

### Content of other elements in ppm:

Element	NC A	
	Mean	Max.
Al	7,0	9,5
Ca	0,3	0,5
Fe	0,1	0,3
Na	0,8	1,2
K	0,3	0,6
Li	0,7	1,0
B	0,1	0,3
Co	□ 0, 01	
Cr	□ 0, 01	
Cu	□ 0, 01	
Mg	□ 0,05	
Mn	□ 0,01	
Ni	□ 0, 01	
Ti	□ 6	
Zr	□ 0,1	

### Grain size distribution:

	Typical value	Limit
$D_{10}$	80 $\mu\text{m}$	Minimum 70 $\mu\text{m}$
$D_{50}$	155 $\mu\text{m}$	Range 135-200 $\mu\text{m}$
$D_{90}$	270 $\mu\text{m}$	Maximum 350 $\mu\text{m}$

The material is **calcined** at 1050°C according to our standard procedures.