

# CHARLES B. CHRYSTAL CO., INC

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INDUSTRIAL MINERALS SINCE 1897

## HIGH PURITY QUARTZ NC2-A Crucible grade

### Chemical content of the solid material:

SiO<sub>2</sub> > 99.999%

### Content of other elements in ppm:

| Element | NC2A    |      |
|---------|---------|------|
|         | Mean    | Max. |
| Al      | 7,0     | 9,5  |
| Ca      | 0,1     | 0,5  |
| Fe      | 0,1     | 0,4  |
| Na      | 0,9     | 1,3  |
| 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      | □ 10    |      |
| Zr      | □ 0,01  |      |

### Grain size distribution

|                 | Typical value | Limit            |
|-----------------|---------------|------------------|
| D <sub>10</sub> | 103μm         | Minimum 95μm     |
| D <sub>50</sub> | 192μm         | Range 170- 240μm |
| D <sub>90</sub> | 340μm         | Maximum 450μm    |

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