

# Russian Quartz

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## RQ-1K High Purity Quartz

**RQ-1K** is manufactured from unique Quartz deposit in Kyshtym, Russia.

Kyshtym quartz has the highest chemical purity and good transparency, and for more than 50 years been successfully used as raw material for quartz tubes of various diameter, ingots and crucibles for photovoltaic and semi-conductor industries.

**RQ-1K** is suitable for quartz glass used in semi-conductor industry, and also as inner layer of crucibles for photovoltaic and semi-conductor industries.

### Chemical content, ppm

	Al	B	Ca	Cr	Cu	Fe	K	Li	Mg	Mn	Na	Ni	Ti
Specification	4	0.1	0.3	0.01	0.01	0.1	0.1	0.4	0.1	0.01	0.1	0.01	3
Typical value	3.6	0.07	0.10	<0.01	<0.01	0.05	0.03	0.29	0.07	<0.01	0.05	<0.01	2.9

### Particle size distribution

Mesh size	Micron ( $\mu\text{m}$ )	Limit (wt %)
>80	> 180	$\leq 2$
200 - 80	75-180	$\geq 93$
<200	< 75	$\leq 5$

\* The quality assurance period for the product is 12 months from the date of delivery to the consumer. The product must be stored in undamaged Manufacturer's package in a clean, well-ventilated premise, protected from the ultraviolet radiation, with a relative air humidity of less than 75%.

