



# 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	$\leq 5$



Quality Management System in accordance with ISO 9001:2015. Certificate No: 44 100 137464.