

Semiconductor Material Grades

All Heraeus quartz products are purified by the Heraeus refinement process. This guarantees a tailored purity to our customers' needs.

Chemical Purity – Typical values (statistical average)

bulk analysis (ppm)										
Type	Grade	Li	Na	K	Mg	Ca	Fe	Cu	Al	OH
Electrically fused	HSQ® 100/300	0.5	0.2	0.3	< 0.03	0.5	0.1	0.01	15.0	< 30
	HSQ® 330 ⁽¹⁾	0.5	0.1	0.2	< 0.03	0.5	0.1	< 0.01	15.0	< 30
	HSQ® 330S ⁽¹⁾	0.5	0.1	0.2	< 0.03	0.5	0.1	< 0.01	15.0	< 30
	HSQ® 700	< 0.01	< 0.02	0.1	< 0.03	0.4	0.1	< 0.01	15.0	< 30
Sintered	OM® 100 ⁽²⁾	0.1	0.1	0.2	< 0.03	0.4	0.1	< 0.01	15.0	n.s. ⁽³⁾
	HBQ®	0.1	0.1	0.2	< 0.03	0.4	0.2	< 0.01	15.0	n.s. ⁽³⁾
Flame fused	HSQ® 351	0.3	0.6	0.6	< 0.03	0.6	0.1	< 0.01	15.0	175
	HSQ® 751	0.1	< 0.03	0.1	0.1	0.7	0.1	< 0.01	8.0	175
	TSC-3®	0.2	0.3	0.2	< 0.01	0.4	0.05	< 0.01	15.0	175
	TSC-4	0.04	0.2	0.08	< 0.01	0.7	0.1	< 0.01	8.0	175

⁽¹⁾ Production batch related chemical purity test report available upon request
⁽²⁾ Bulk analysis with a minimum distance of 10 mm from unworked blank surface
⁽³⁾ n.s. = not specified

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