



# HiTech Silica WA

UPDATED: 6/12/2024

		ICP Test Result Summary		
Element	Unit of Measure	T6	T7	T8 T7 Hot Acid Leach (Upgrade Potential)
SiO <sub>2</sub> -calc	%	99.95	99.95	99.98
Ti	ppm	225.5	173.8	41.64
Fe	ppm	35.98	89.23	32.94
Al	ppm	107.7	65.9	54.7
Cr	ppm	0.56	0.48	1.04
Mg	ppm	5.8	8.92	4.19
Mn	ppm	0.999	1.151	0.778
Ca	ppm	27.36	40.22	31.1
Cu	ppm	0.562	0.929	0.669
K	ppm	21.2	20.3	5.1
Li	ppm	2.838	2.601	2.754
Na	ppm	26.3	34.7	38.3
S	ppm	13	4.6	31.8
Zr	ppm	13.43	13.08	15.71

Particle Size Range			
	T6	T7	T8
d(10) $\mu$ m	214.8	242.9	-
d(50) $\mu$ m	352.8	376.8	-
d(90) $\mu$ m	766.3	783.8	-

Product Grade Options (via Process Plant Screening)			
	T6	T7	T8
AFS	30 - 35	30 - 35	-
AFS	40 - 45	40 - 45	-
AFS	50 - 55	50 - 55	-

## Notes

- Summary results show ppm results only, refer to LabWest Analytical Report for both ppm and ppb results.
- Results do not take into account further purity upgrades available due to LOI1000 which ranged from 3% to 5% for the T6 and T7 samples.
- Product specifications based on average test results and may be subject to variation.
- T8 Hot Acid Leach sample utilised T7 as feed material. Noting the reductions achieved, higher results are achievable using T6 as feed material.
- T6 Sample successfully milled to 30 $\mu$ m (P80)

