

Element	Crystal	Meas. t peak (s)	Meas. t back (s)	Detect. Limit (ppm)
Al	TAP	30	15	134
Si	TAP	30	15	457
Cr	PETL	30	15	300
Ca	PETL	30	15	128
K	PETL	30	15	363
Ti	PETL	30	15	149
Na	TAPL	20	10	87
Mg	TAPL	40	20	176
Mn	LIFH	20	10	86
Fe	LIFH	20	10	130
Ni	LIFH	20	10	374

S1: Measurement settings and detection Limits for EPMA measurements.