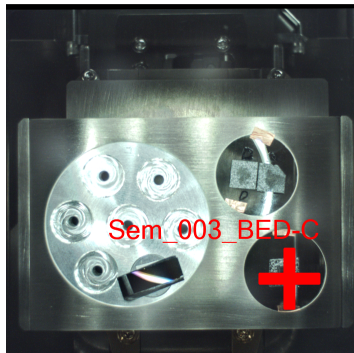
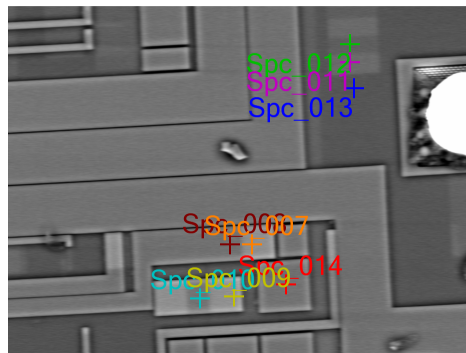


Smp_Image



■ 5mm

Sem_003_BED-C



■ 10μm

Landing Voltage 30.0 kV

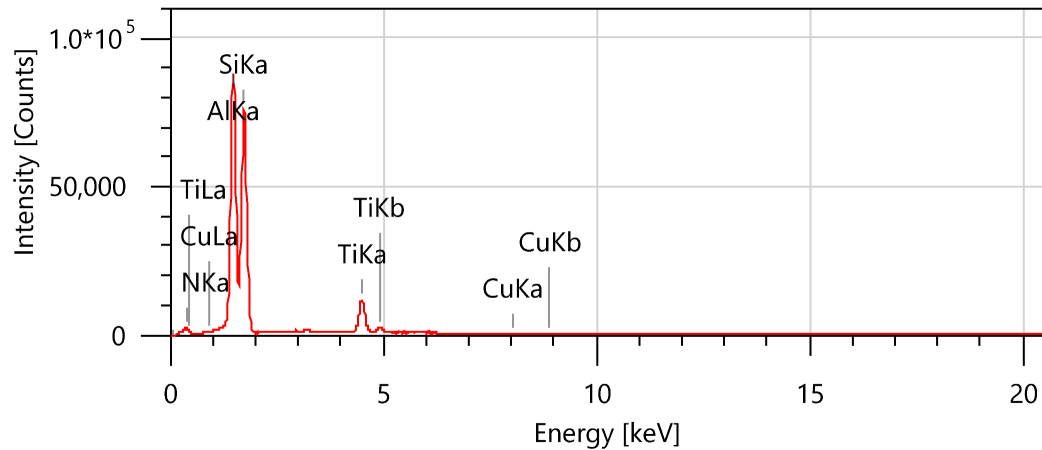
Vacuum Mode HV

Magnification x450

WD 11.2 mm

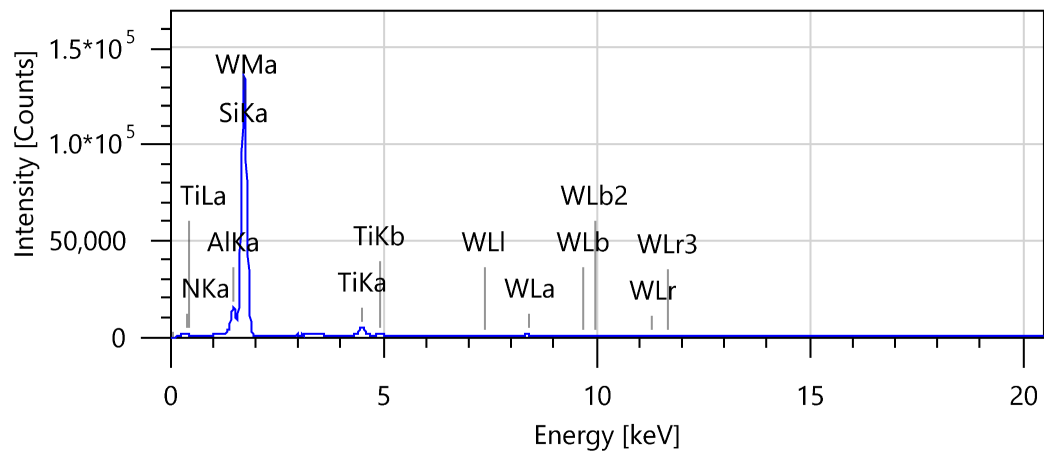
Signal BED-C

Items	Value
measurement conditions	
Acceleration voltage	30.00 kV
Probe current	19.9794 nA
Magnification	x 450
Process time	T1
Measurement detector	First
Aperture	OPEN
Live time	30.00 seconds
Real time	33.65 seconds
Dead time	10.00 %
Count rate	111381.00 CPS



Display name	Standard data	Quantification method	Result Type
Spc_014	Standard(Common) 100% normalize off	ZAF	Oxide (Number of oxygen 24)

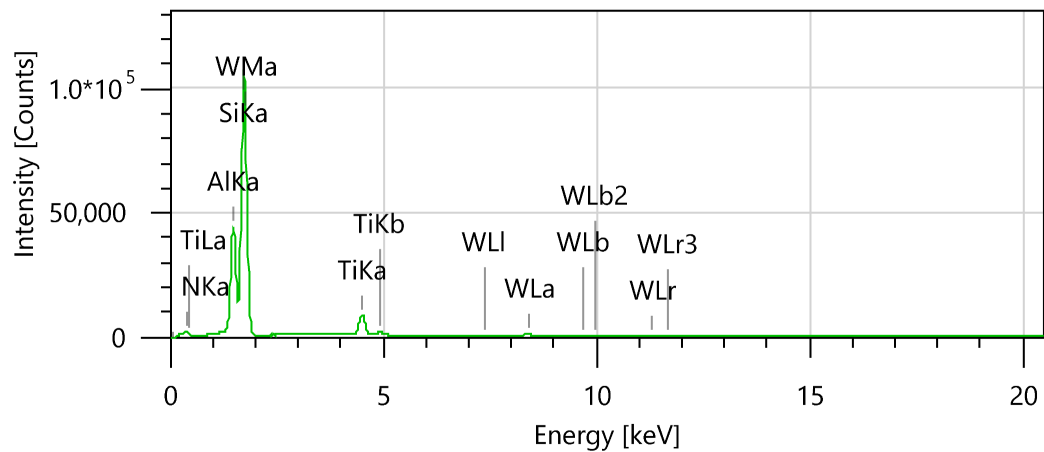
Chemical formula	Line	Mass%	Mol%	Cations
N	K	14.25±0.38	29.32±0.78	0.00
O	K			
Al2O3	K	76.81±0.16	21.71±0.05	6.39
SiO2	K	92.59±0.22	44.41±0.10	6.54
TiO2	K	12.41±0.04	4.48±0.01	0.66
CuO	K	0.22±0.01	0.08±0.00	0.01
Total		196.27	100.00	
Spc_014				Fitting ratio 0.0307



Items	Value
measurement conditions	
Acceleration voltage	30.00 kV
Probe current	19.9831 nA
Magnification	x 450
Process time	T1
Measurement detector	First
Aperture	OPEN
Live time	30.00 seconds
Real time	33.39 seconds
Dead time	10.00 %
Count rate	103504.00 CPS

Display name	Standard data	Quantification method	Result Type
Spc_013	Standard(Common) 100% normalize off	ZAF	Oxide (Number of oxygen 24)

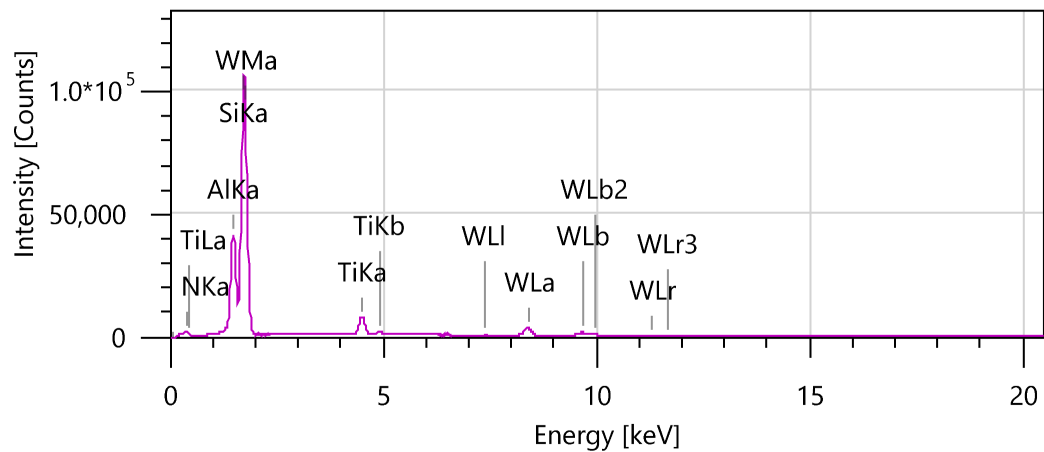
Chemical formula	Line	Mass%	Mol%	Cations
N	K	15.43±0.42	33.10±0.89	0.00
O	K			
Al2O3	K	11.78±0.08	3.47±0.02	1.20
SiO2	K	119.86±0.21	59.94±0.11	10.34
TiO2	K	4.43±0.03	1.66±0.01	0.29
WO3	M	14.09±0.26	1.83±0.03	0.32
Total		165.59	100.00	
Spc_013				Fitting ratio 0.0601



Items	Value
measurement conditions	
Acceleration voltage	30.00 kV
Probe current	19.9694 nA
Magnification	x 450
Process time	T1
Measurement detector	First
Aperture	OPEN
Live time	30.00 seconds
Real time	33.43 seconds
Dead time	10.00 %
Count rate	104741.00 CPS

Display name	Standard data	Quantification method	Result Type
Spc_012	Standard(Common) 100% normalize off	ZAF	Oxide (Number of oxygen 24)

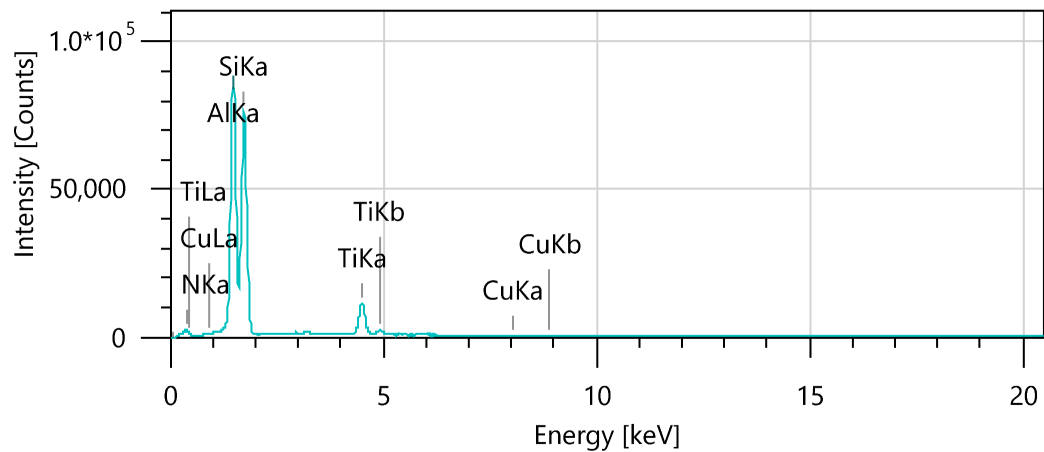
Chemical formula	Line	Mass%	Mol%	Cations
N	K	13.83±0.40	29.97±0.86	0.00
O	K			
Al2O3	K	38.16±0.12	11.36±0.04	3.57
SiO2	K	106.26±0.22	53.68±0.11	8.43
TiO2	K	9.24±0.04	3.51±0.01	0.55
WO3	M	11.24±0.27	1.47±0.04	0.23
Total		178.73	100.00	
Spc_012				Fitting ratio 0.0410



Items	Value
measurement conditions	
Acceleration voltage	30.00 kV
Probe current	19.9881 nA
Magnification	x 450
Process time	T1
Measurement detector	First
Aperture	OPEN
Live time	30.00 seconds
Real time	33.74 seconds
Dead time	11.00 %
Count rate	113813.00 CPS

Display name	Standard data	Quantification method	Result Type
Spc_011	Standard(Common) 100% normalize off	ZAF	Oxide (Number of oxygen 24)

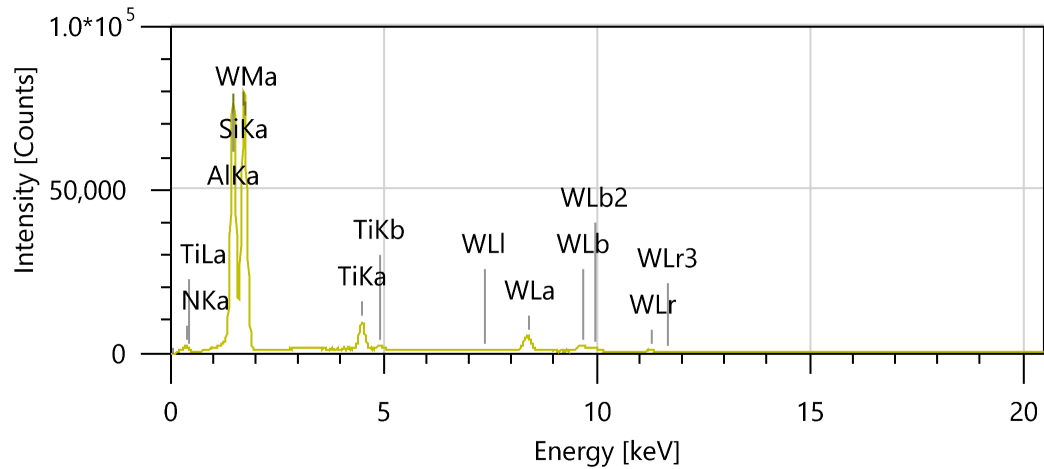
Chemical formula	Line	Mass%	Mol%	Cations
N	K	15.13±0.40	32.51±0.87	0.00
O	K			
Al2O3	K	35.82±0.12	10.57±0.03	3.43
SiO2	K	102.30±0.22	51.25±0.11	8.30
TiO2	K	8.05±0.03	3.03±0.01	0.49
WO3	M	20.25±0.29	2.63±0.04	0.43
Total		181.54	100.00	
Spc_011				Fitting ratio 0.0415



Items	Value
measurement conditions	
Acceleration voltage	30.00 kV
Probe current	19.9906 nA
Magnification	x 450
Process time	T1
Measurement detector	First
Aperture	OPEN
Live time	30.00 seconds
Real time	33.64 seconds
Dead time	10.00 %
Count rate	111298.00 CPS

Display name	Standard data	Quantification method	Result Type
Spc_010	Standard(Common) 100% normalize off	ZAF	Oxide (Number of oxygen 24)

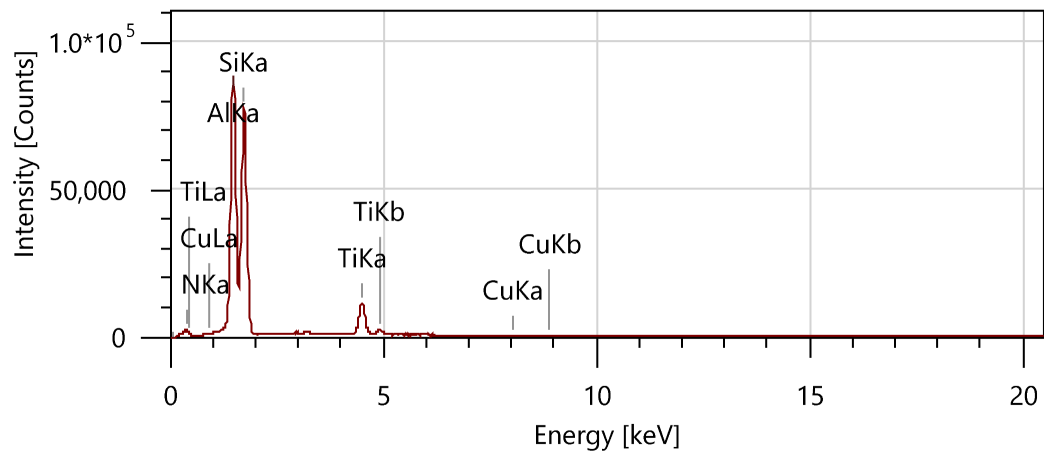
Chemical formula	Line	Mass%	Mol%	Cations
N	K	13.53±0.38	28.27±0.79	0.00
O	K			
Al2O3	K	77.25±0.16	22.17±0.05	6.43
SiO2	K	92.28±0.22	44.95±0.11	6.52
TiO2	K	12.34±0.04	4.52±0.01	0.66
CuO	K	0.25±0.01	0.09±0.00	0.01
Total		195.65	100.00	
Spc_010				Fitting ratio 0.0308



Items	Value
measurement conditions	
Acceleration voltage	30.00 kV
Probe current	19.9769 nA
Magnification	x 450
Process time	T1
Measurement detector	First
Aperture	OPEN
Live time	30.00 seconds
Real time	34.13 seconds
Dead time	12.00 %
Count rate	124575.00 CPS

Display name	Standard data	Quantification method	Result Type
Spc_009	Standard(Common) 100% normalize off	ZAF	Oxide (Number of oxygen 24)

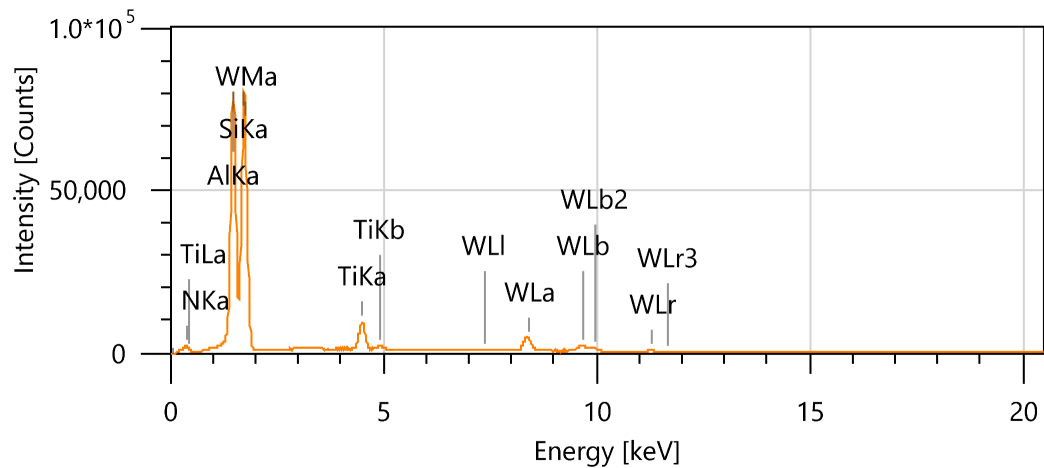
Chemical formula	Line	Mass%	Mol%	Cations
N	K	13.83±0.39	30.09±0.86	0.00
O	K			
Al2O3	K	68.55±0.15	20.49±0.05	6.03
SiO2	K	85.04±0.23	43.14±0.12	6.35
TiO2	K	9.36±0.04	3.57±0.01	0.53
WO3	M	20.52±0.31	2.70±0.04	0.40
Total		197.29	100.00	
Spc_009				Fitting ratio 0.0376



Items	Value
measurement conditions	
Acceleration voltage	30.00 kV
Probe current	19.9994 nA
Magnification	x 450
Process time	T1
Measurement detector	First
Aperture	OPEN
Live time	30.00 seconds
Real time	33.67 seconds
Dead time	10.00 %
Count rate	112388.00 CPS

Display name	Standard data	Quantification method	Result Type
Spc_008	Standard(Common) 100% normalize off	ZAF	Oxide (Number of oxygen 24)

Chemical formula	Line	Mass%	Mol%	Cations
N	K	15.07±0.39	30.23±0.78	0.00
O	K			
Al2O3	K	77.45±0.16	21.34±0.04	6.37
SiO2	K	94.24±0.22	44.06±0.10	6.58
TiO2	K	12.21±0.04	4.29±0.01	0.64
CuO	K	0.21±0.01	0.08±0.00	0.01
Total		199.18	100.00	
Spc_008				Fitting ratio 0.0310



Items	Value
measurement conditions	
Acceleration voltage	30.00 kV
Probe current	19.9781 nA
Magnification	x 450
Process time	T1
Measurement detector	First
Aperture	OPEN
Live time	30.00 seconds
Real time	34.14 seconds
Dead time	12.00 %
Count rate	125346.00 CPS

Display name	Standard data	Quantification method	Result Type
Spc_007	Standard(Common) 100% normalize off	ZAF	Oxide (Number of oxygen 24)

Chemical formula	Line	Mass%	Mol%	Cations
N	K	14.94±0.39	31.42±0.82	0.00
O	K			
Al2O3	K	69.53±0.16	20.09±0.04	6.03
SiO2	K	86.53±0.23	42.42±0.11	6.37
TiO2	K	9.53±0.04	3.51±0.01	0.53
WO3	M	20.18±0.31	2.56±0.04	0.39
Total		200.71	100.00	
Spc_007				Fitting ratio 0.0362