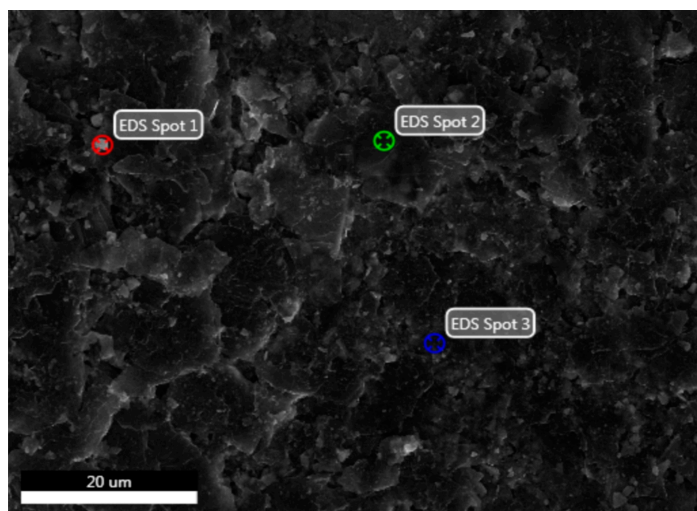
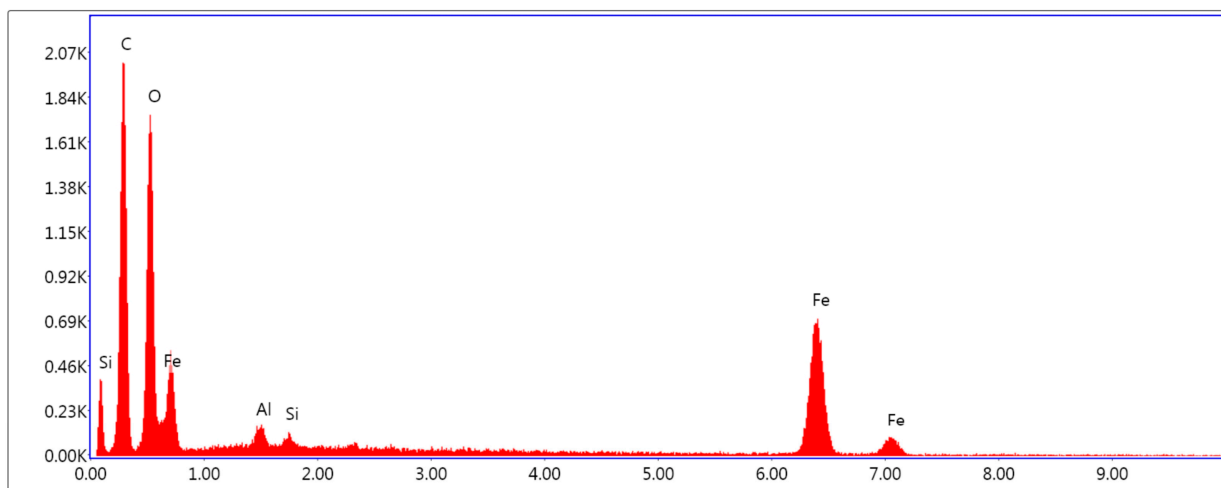


EDX analysis of clay paste -ANALYSIS NO. 1



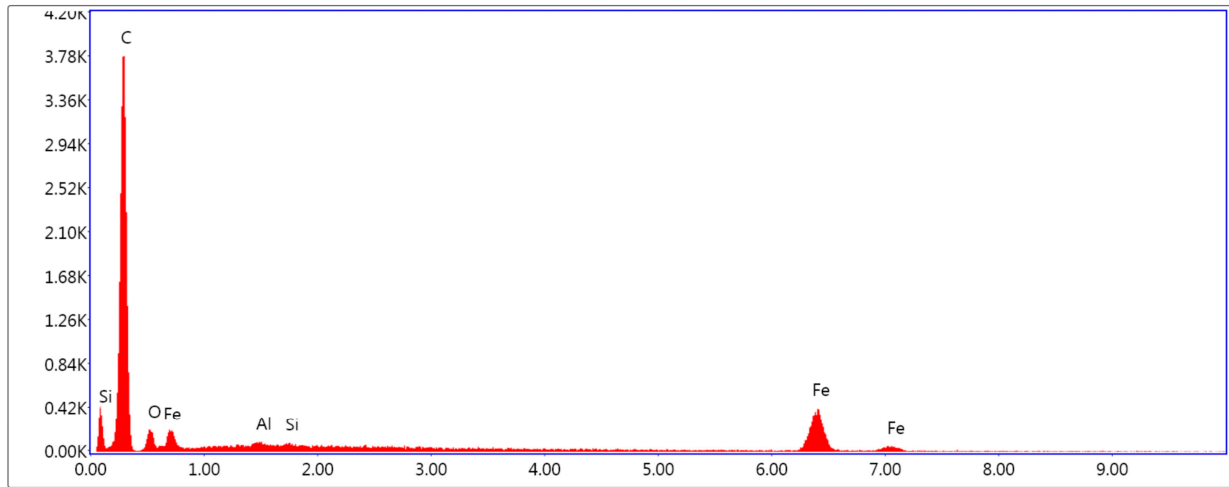
EDS Spot 1



Lsec: 28.8 68 Cnts 2.330 keV Det: Octane Super Det

Element	Weight %	Atomic %	Net Int.	Error %	Kratio	Z	R	A	F
C K	39.33	59.82	472.35	8.04	0.1785	1.1138	0.9402	0.4074	1.0000
O K	24.51	27.99	416.23	9.16	0.0811	1.0625	0.9623	0.3112	1.0000
Al K	0.73	0.50	33.31	11.73	0.0045	0.9401	1.0035	0.6458	1.0047
Si K	0.32	0.21	16.41	19.64	0.0023	0.9599	1.0101	0.7560	1.0075
Fe K	35.10	11.48	348.74	3.76	0.2924	0.7970	1.0541	1.0103	1.0347

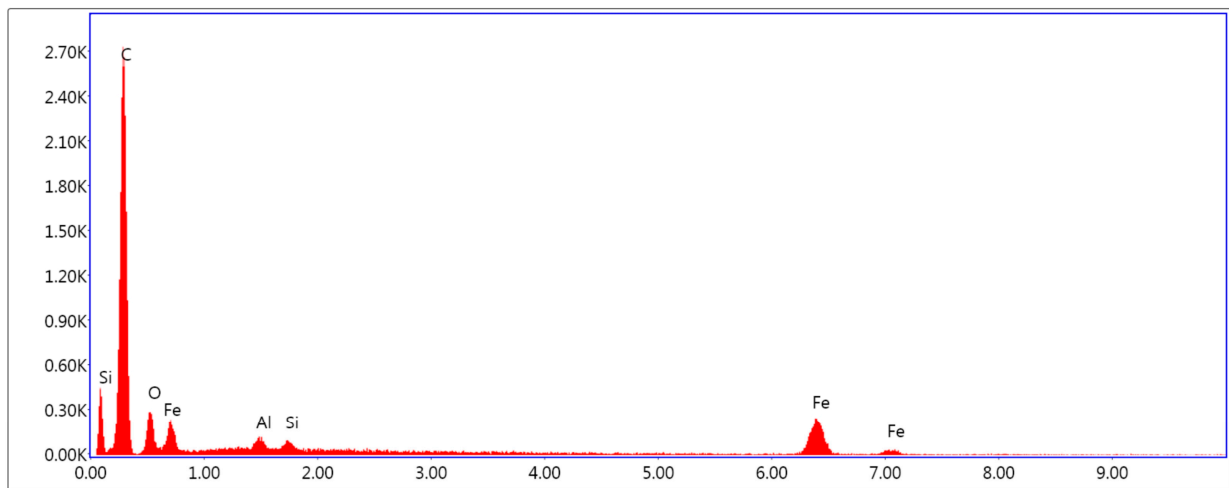
EDS Spot 2



Lsec: 29.3 47 Cnts 2.330 keV Det: Octane Super Det

Element	Weight %	Atomic %	Net Int.	Error %	Kratio	Z	R	A	F
C K	69.94	88.33	861.06	6.34	0.4109	1.0686	0.9610	0.5498	1.0000
O K	5.07	4.81	41.58	13.74	0.0102	1.0181	0.9817	0.1982	1.0000
Al K	0.18	0.10	7.16	57.14	0.0012	0.8991	1.0198	0.7304	1.0050
Si K	0.11	0.06	4.60	63.04	0.0008	0.9179	1.0259	0.8295	1.0080
Fe K	24.70	6.71	186.75	4.67	0.1978	0.7600	1.0622	1.0131	1.0399

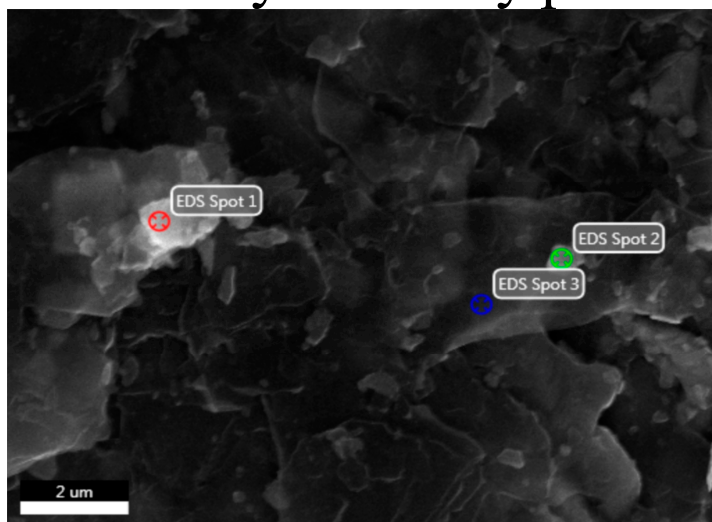
EDS Spot 3



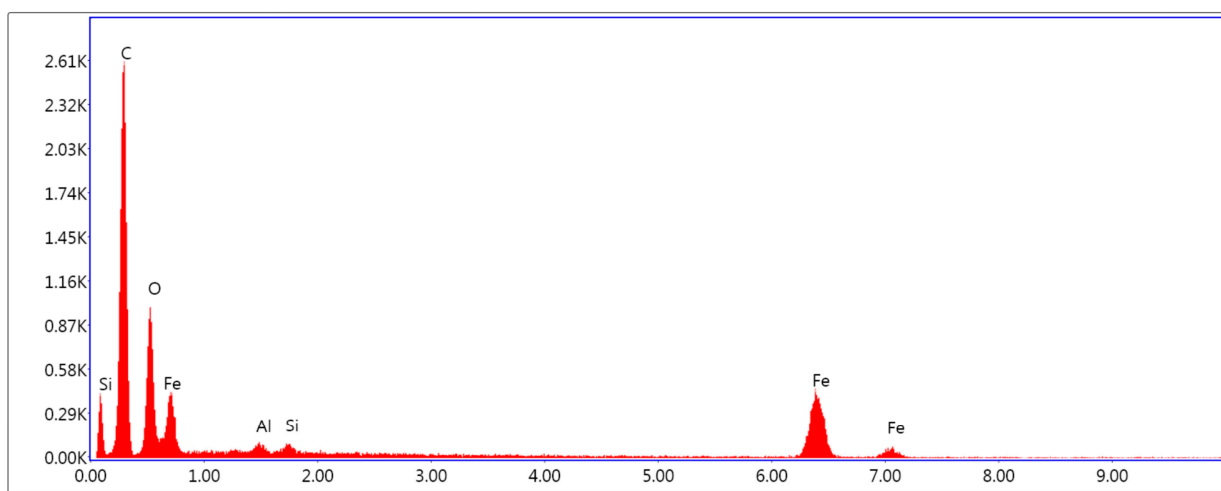
Lsec: 29.3 21 Cnts 2.330 keV Det: Octane Super Det

Element	Weight %	Atomic %	Net Int.	Error %	Kratio	Z	R	A	F
C K	68.20	84.30	615.89	6.47	0.3973	1.0601	0.9664	0.5495	1.0000
O K	10.45	9.69	64.47	12.12	0.0214	1.0096	0.9867	0.2032	1.0000
Al K	0.71	0.39	20.84	14.05	0.0048	0.8911	1.0239	0.7474	1.0050
Si K	0.48	0.25	15.15	19.94	0.0037	0.9095	1.0298	0.8396	1.0077
Fe K	20.16	5.36	112.11	5.49	0.1605	0.7523	1.0641	1.0128	1.0447

EDX analysis of clay paste -ANALYSIS NO. 2



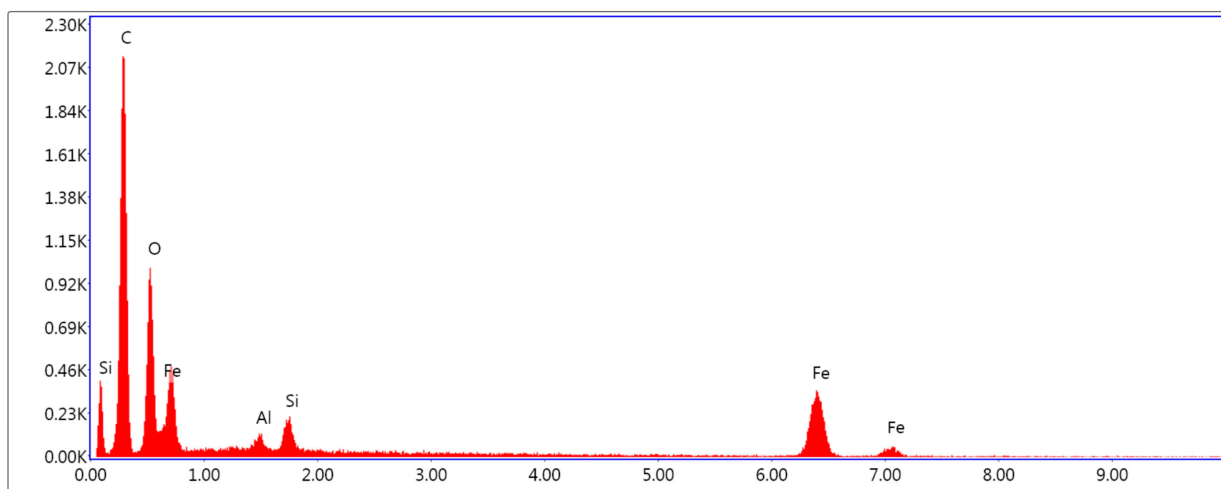
EDS Spot 1



Lsec: 29.2 67 Cnts 1.500 keV Det: Octane Super Det

Element	Weight %	Atomic %	Net Int.	Error %	Kratio	Z	R	A	F
C K	52.28	70.95	583.59	7.25	0.2688	1.0837	0.9548	0.4745	1.0000
O K	20.44	20.83	227.07	10.07	0.0539	1.0329	0.9760	0.2554	1.0000
Al K	0.44	0.27	17.29	17.02	0.0028	0.9126	1.0151	0.6946	1.0048
Si K	0.41	0.24	17.56	18.07	0.0030	0.9317	1.0213	0.7990	1.0075
Fe K	26.43	7.72	209.92	4.21	0.2146	0.7719	1.0599	1.0120	1.0393

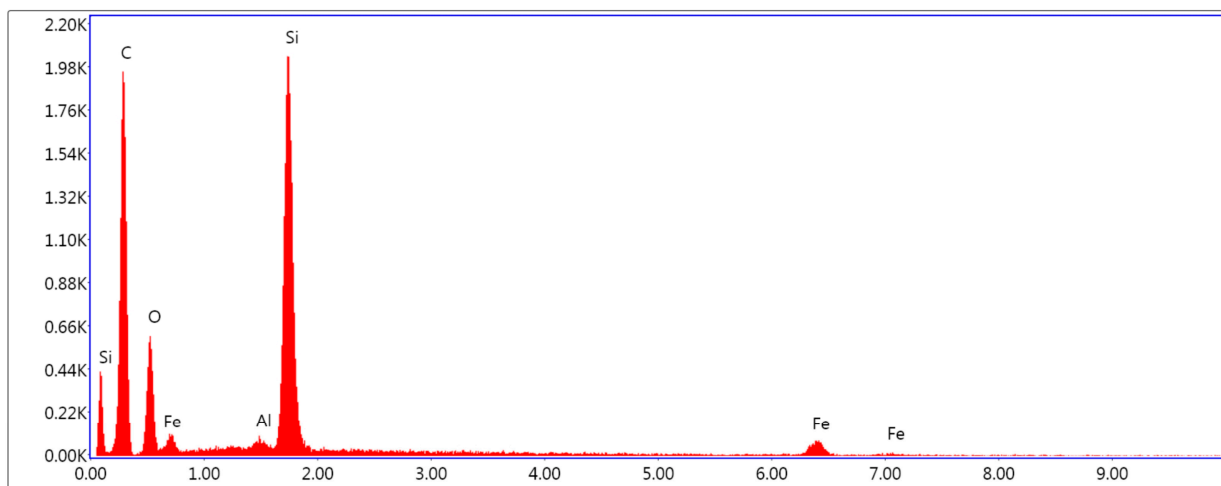
EDS Spot 2



Lsec: 29.2 123 Cnts 1.500 keV Det: Octane Super Det

Element	Weight %	Atomic %	Net Int.	Error %	Kratio	Z	R	A	F
C K	51.15	68.75	487.80	7.48	0.2529	1.0794	0.9576	0.4581	1.0000
O K	22.94	23.14	228.62	10.03	0.0611	1.0286	0.9786	0.2590	1.0000
AlK	0.74	0.44	25.94	12.57	0.0048	0.9085	1.0172	0.7049	1.0051
SiK	1.36	0.78	52.70	8.69	0.0103	0.9275	1.0234	0.8055	1.0072
FeK	23.81	6.88	167.42	4.46	0.1927	0.7679	1.0609	1.0118	1.0417

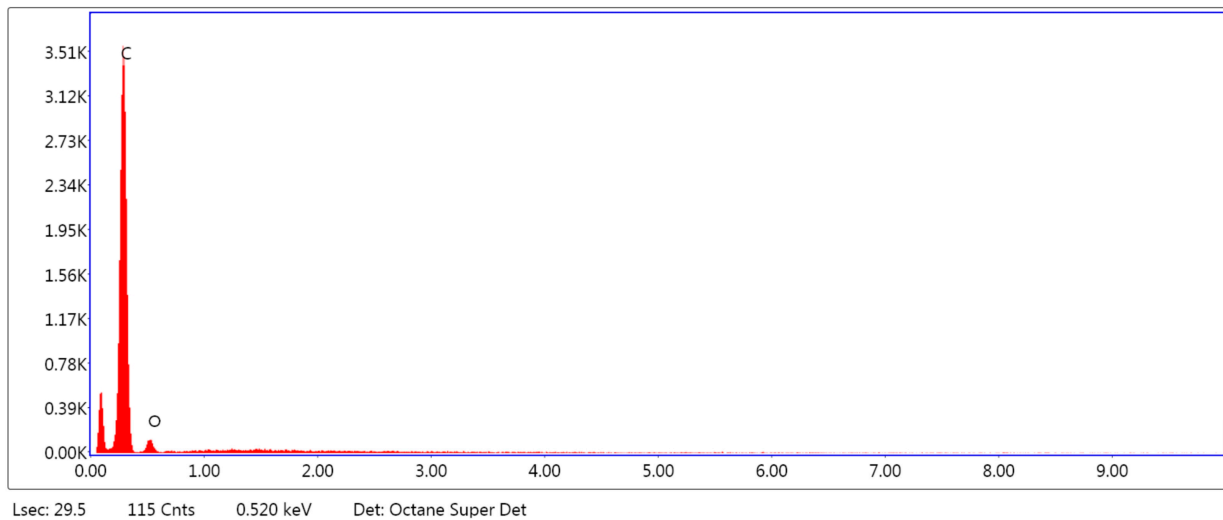
EDS Spot 3



Lsec: 29.2 64 Cnts 1.500 keV Det: Octane Super Det

Element	Weight %	Atomic %	Net Int.	Error %	Kratio	Z	R	A	F
C K	63.19	75.63	435.80	8.75	0.2235	1.0415	0.9791	0.3396	1.0000
O K	17.39	15.63	132.10	11.33	0.0349	0.9908	0.9984	0.2026	1.0000
AlK	0.28	0.15	11.52	21.86	0.0021	0.8729	1.0334	0.8390	1.0150
SiK	14.39	7.37	610.79	3.08	0.1176	0.8908	1.0389	0.9138	1.0045
FeK	4.75	1.22	33.93	12.58	0.0386	0.7348	1.0685	1.0119	1.0947

EDX analysis of graphene paste



Element	Weight %	Atomic %	Net Int.	Error %	Kratio	Z	R	A	F
C K	91.06	93.14	831.68	2.63	0.8410	1.0043	0.9983	0.9195	1.0000
O K	8.94	6.86	25.89	14.84	0.0135	0.9540	1.0157	0.1577	1.0000

XRF analysis of clay powder

Element	[mass %]
Na	0,025 ± 0,003
Mg	0,060 ± 0,004
Al	1,74 ± 0,05
Si	1,26 ± 0,04
P	0,050 ± 0,003
S	0,046 ± 0,003
Cl	0,012 ± 0,002
K	0,027 ± 0,003
Ca	0,119 ± 0,005
Sc	0,0029 ± 0,0007
Ti	0,042 ± 0,004
V	0,013 ± 0,002
Cr	0,0087 ± 0,0013
Mn	0,090 ± 0,005
Fe	65,20 ± 1,20
Zn	0,0037 ± 0,0008
As	0,014 ± 0,002
Zr	0,0018 ± 0,0005
Sb	0,012 ± 0,002