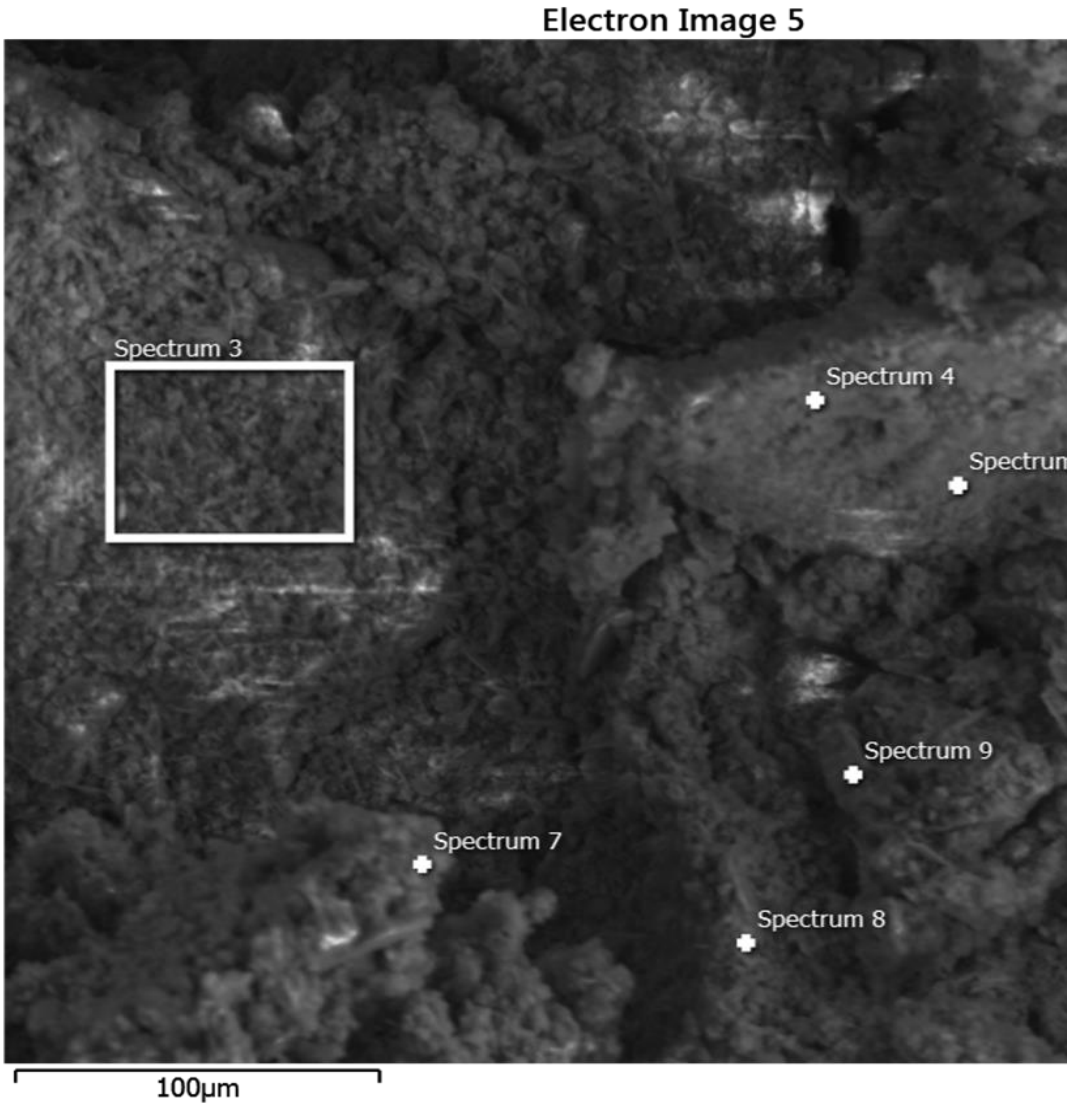
MORTAR



Label: Electron Image 5
Collected: 9/27/2017 10:17:20 AM
Magnification: 733 x

Weight %

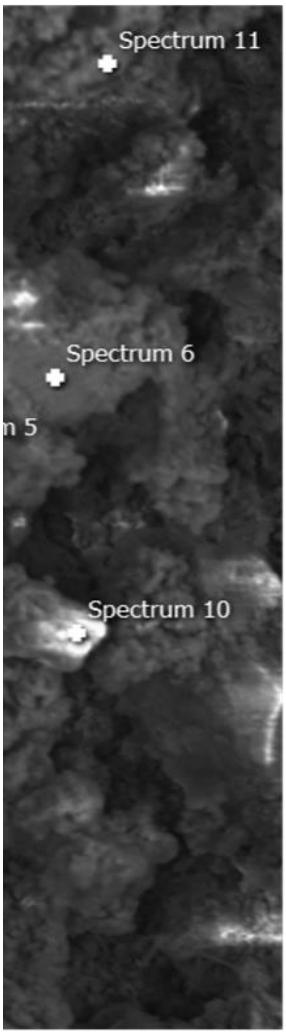
Spectrum Label	O	Mg	Al	Si	Ca	Fe
Spectrum 3	54.30	3.76	4.91	22.60	11.24	3.19
Atomic Weight	16.00	24.31	26.98	28.09	40.08	55.85
Moles	3.39	0.15	0.18	0.80	0.28	0.06
Atoms	59	3	3	14	5	1

lime (CaO + MgO) + sand (SiO_2) + clay (Al,Mg,O) +

Ratio of Ca to Mg = 5:3 **(some Mg may be in clay)**

Weight %

Spectrum Label	O	Mg	Al	Si	Ca	Fe
Spectrum 4	56.96	6.16	6.25	17.00	10.33	3.29
Spectrum 5	57.12	4.56	4.27	16.20	12.09	5.75
Spectrum 6	55.70	1.70	1.66	36.71	3.15	1.08
Spectrum 7	62.13	6.89	3.84	8.62	16.43	2.09
Spectrum 8	55.71	1.75	9.54	28.29	3.74	0.97
Spectrum 9	51.69	5.51	8.01	15.78	13.26	5.75
Spectrum 10	59.00	3.33	12.47	18.98	4.02	2.20
Spectrum 11	62.49	7.59	2.47	8.07	17.91	1.47
Spectrum 12	56.21	7.74	4.11	13.67	14.99	3.29
Spectrum 13	52.28	4.26	4.59	19.12	14.71	5.03


Spectrum 11
Spectrum 6
n 5
Spectrum 10

· **iron oxide (FeO(OH))**