



Analytical-Chem-X-press Service

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DOCUMENTATION OF RESULTS

Date:	4/03/2005	Document created:	4/8/03
Job no:	B0105		
Purpose of test:	Silica Flour		
Date of test:	9/03/2005		
Equipment used:	ICP -Perkin Elmer OES	Analyst	E.H. Gutsa

	E10-053 ppm	E4-061 ppm	E2-065 ppm	E1-069 ppm	E4-057 ppm
Fe	131	318	189	206	278
Fe ₂ O ₃	187	455	270	295	397
Ti	652	1670	852	686	1090
TiO ₂	1088	2786	1421	1144	1818
Al	278	542	261	542	288
Al ₂ O ₃	525	1024	493	1024	544
Ca	25.9	28.9	24.5	25.6	27.8
CaO	36.2	40.4	34.3	35.8	38.9
Mg	32.2	68.3	33.6	57.5	36.9

MgO	53.4	113.2	55.7	95.3	61.2
K	79.2	125	63.4	178	80.8
K2O	95.4	150.6	76.4	214.4	97.3
Mn	0.803	3.41	1.45	0.773	4.94
Cu	2.39	4.12	3.12	2.96	2.74
Cr	3.7	7.4	2.8	2.54	8.05
Ni	1.18	1.33	0.51	0.498	0.384

	ppm	ppm	ppm	ppm	ppm
Fe2O3	187.29	454.64	270.21	294.52	397.46
TiO2	1087.54	2785.56	1421.14	1144.25	1818.12
Al2O3	525.25	1024.05	493.13	1024.05	544.15
CaO	36.24	40.43	34.28	35.82	38.89
MgO	53.39	113.24	55.71	95.34	61.18
K2O	95.40	150.58	76.37	214.42	97.33
Mn	0.803	3.41	1.45	0.773	4.94
Cu	2.39	4.12	3.12	2.96	2.74
Cr	3.7	7.4	2.8	2.54	8.05
Ni	1.18	1.33	0.51	0.498	0.384
Total	1993.18	4584.77	2358.72	2815.16	2973.24
Total %	0.20	0.46	0.24	0.28	0.30

	ACXS value ppm	Certified ppm
Fe	245	
Fe2O3	350	370
Ti	225	
TiO2	425	350
Al	1350	
Al2O3	2252	2480
Ca	184	
CaO	257	290
Mg	43.8	
MgO	73	71
K	502	
K2O	607	580
		Uncertified ppm
Mn	7.91	9.3
Cu	2.25	13.5
Cr	2.68	0.98
Ni	0.54	2.84