

Table 04 – P<sub>2</sub>O<sub>5</sub> grades and Solubility results

Sample	P2O5 (%) (SGS Lab)	P2O5 (%) (Campo Lab)	P2O5 Soluble in H2O (%)	P2O5 Soluble in CNA (%)	P2O5 Soluble in Citric Acid (%)	Solubility in H2O (%)	Solubility in CNA (%)	Solubility in Citric Acid (%)
MXBS003	3.26	3.79	< 1	< 1	1.91	< 1	< 1	50.40
MXBS004	2.10	2.23	< 1	< 1	1.19	< 1	< 1	53.36

Table 05 – K<sub>2</sub>O grades and Solubility results

Sample	K2O (%) (SGS Lab)	K2O (%) (Campo Lab)	K2O Soluble in H2O (%)	K2O Soluble in CNA (%)	K2O Soluble in Citric Acid (%)	Solubility in H2O (%)	Solubility in CNA (%)	Solubility in Citric Acid (%)
MXBS003	4.10	1.20	< 1	< 1	1.14	< 1	< 1	95.00
MXBS004	2.91	1.11	< 1	< 1	1.01	< 1	< 1	90.99

Table 06 – Sample KMF01 – Summary of chemical results by grain size.

WET TABLE CON	FRACTION WEIGHT (g)	Wt. DISTN. (%)	P2O5		SiO2		TiO2		Al2O3		CaO		Fe2O3		K2O		MgO		MnO2		Na2O	
			P2O5 Grade (%)	P2O5 DISTN. (%)	SiO2 Grade (%)	SiO2 DISTN. (%)	TiO2 Grade (%)	TiO2 DISTN. (%)	Al2O3 Grade (%)	Al2O3 DISTN. (%)	CaO Grade (%)	CaO DISTN. (%)	Fe2O3 Grade (%)	Fe2O3 DISTN. (%)	K2O Grade (%)	K2O DISTN. (%)	MgO Grade (%)	MgO DISTN. (%)	MnO2 Grade (%)	MnO2 DISTN. (%)	Na2O Grade (%)	Na2O DISTN. (%)
710	10.50	4.4	6.92	13.0	35.40	4.2	3.50	2.1	16.15	7.6	1.74	4.1	13.84	2.6	7.09	5.6	2.33	2.1	1.00	7.6	0.12	2.5
500	3.90	1.6	4.58	3.2	41.50	1.8	2.91	0.6	15.20	2.6	1.40	1.2	12.12	0.9	8.16	2.4	2.65	0.9	1.02	2.9	0.13	1.0
250	7.80	3.3	4.43	6.2	40.70	3.6	3.89	1.7	14.55	5.1	1.70	3.0	12.85	1.8	7.70	4.5	3.35	2.3	1.12	6.3	0.10	1.5
150	6.40	2.7	3.80	4.4	38.00	2.7	6.09	2.2	12.30	3.5	2.01	2.9	16.68	1.9	6.60	3.2	4.09	2.3	1.20	5.6	0.13	1.6
90	5.90	2.5	3.78	4.0	34.50	2.3	9.96	3.3	10.75	2.8	2.21	2.9	19.25	2.1	5.88	2.6	3.87	2.0	1.09	4.7	0.16	1.9
45	12.90	5.4	2.52	5.8	35.80	5.2	12.40	9.0	10.80	6.2	1.68	4.9	18.92	4.4	7.35	7.1	3.00	3.4	0.74	6.9	0.18	4.6
32	7.60	3.2	1.96	2.7	38.40	3.3	9.58	4.1	11.45	3.9	1.36	2.3	20.11	2.8	8.27	4.7	2.75	1.8	0.64	3.5	0.22	3.3
-32	183.73	77.0	1.84	60.7	37.20	76.9	7.50	77.1	8.32	68.3	1.90	78.6	25.07	83.5	5.10	70.0	5.28	85.1	0.47	62.5	0.23	83.6
Calc'd HEAD	238.73	100.0	2.33	100.0	37.22	100.0	7.49	100.0	9.38	100.0	1.86	100.0	23.11	100.0	5.60	100.0	4.77	100.0	0.58	100.0	0.21	100.0
ASSAY HEAD			2.35		37.20		7.52		9.39		1.81		22.63		5.68		4.76		0.59		0.17	

Table 07 – Sample MXBS001 – Summary of chemical results by grain size

WET TABLE CON	FRACTION WEIGHT (g)	Wt. DISTN. (%)	P2O5		SiO2		TiO2		Al2O3		CaO		Fe2O3		K2O		MgO		MnO		Na2O	
			P2O5 Grade (%)	P2O5 DISTN. (%)	SiO2 Grade (%)	SiO2 DISTN. (%)	TiO2 Grade (%)	TiO2 DISTN. (%)	Al2O3 Grade (%)	Al2O3 DISTN. (%)	CaO Grade (%)	CaO DISTN. (%)	Fe2O3 Grade (%)	Fe2O3 DISTN. (%)	K2O Grade (%)	K2O DISTN. (%)	MgO Grade (%)	MgO DISTN. (%)	MnO Grade (%)	MnO DISTN. (%)	Na2O Grade (%)	Na2O DISTN. (%)
710	2140.00	1.2	4.54	1.6	32.28	1.1	6.21	0.9	8.19	1.2	7.13	1.6	13.84	0.7	6.22	1.6	2.33	0.7	0.22	0.8	0.07	1.1
500	2670.00	1.5	3.15	1.4	29.78	1.3	8.06	1.5	8.06	1.5	4.82	1.3	12.12	0.8	5.72	1.9	2.69	1.0	0.27	1.2	0.06	1.2
250	8710.00	5.0	1.99	2.8	25.01	3.5	11.02	6.6	6.99	4.3	3.28	3.0	12.85	2.8	4.82	5.2	3.12	3.7	0.34	5.1	0.06	3.8
150	8910.00	5.1	2.24	3.2	25.53	3.7	11.19	6.9	6.94	4.4	3.78	3.5	16.68	3.7	4.90	5.4	3.27	4.0	0.38	5.8	0.06	3.9
106	4830.00	2.8	3.17	2.5	27.81	2.2	9.41	3.1	7.55	2.6	5.31	2.7	19.25	2.3	5.61	3.4	2.85	1.9	0.37	3.1	0.07	2.5
45	17760.00	10.1	3.80	10.9	36.11	10.3	7.71	9.4	9.66	12.2	6.06	11.3	18.92	8.4	7.28	16.0	2.71	6.6	0.32	9.8	0.09	11.6
38	1150.00	0.7	3.80	0.7	37.77	0.7	6.94	0.5	10.28	0.8	5.95	0.7	20.11	0.6	7.87	1.1	2.44	0.4	0.33	0.7	0.09	0.8
-32	129380.00	73.7	3.69	77.0	37.11	77.3	7.98	71.0	7.91	72.8	5.59	75.8	25.07	80.7	4.08	65.4	4.65	81.9	0.33	73.5	0.08	75.2
Calc'd HEAD	175550.00	100.0	3.53	100.0	35.40	100.0	8.28	100.0	8.00	100.0	5.43	100.0	22.89	100.0	4.60	100.0	4.19	100.0	0.33	100.0	0.08	100.0
ASSAY HEAD			3.49		36.75		8.36		7.87		5.57		22.63		4.69		4.23		0.34		0.08	

Table 08 – Sample MXBS002 – Summary of chemical results by grain size.

WET TABLE CON	FRACTION WEIGHT (g)	Wt. DISTN. (%)	P2O5		SiO2		TiO2		Al2O3		CaO		Fe2O3		K2O		MgO		MnO		Na2O	
			P2O5 Grade (%)	P2O5 DISTN. (%)	SiO2 Grade (%)	SiO2 DISTN. (%)	TiO2 Grade (%)	TiO2 DISTN. (%)	Al2O3 Grade (%)	Al2O3 DISTN. (%)	CaO Grade (%)	CaO DISTN. (%)	Fe2O3 Grade (%)	Fe2O3 DISTN. (%)	K2O Grade (%)	K2O DISTN. (%)	MgO Grade (%)	MgO DISTN. (%)	MnO Grade (%)	MnO DISTN. (%)	Na2O Grade (%)	Na2O DISTN. (%)
710	3350.00	2.1	2.26	2.9	31.97	2.1	7.69	2.1	5.81	1.6	9.91	3.2	21.93	2.2	2.30	2.5	10.50	2.4	0.28	1.6	0.33	3.6
500	3040.00	1.9	2.31	2.6	32.48	1.9	7.94	2.0	6.09	1.5	9.54	2.8	22.20	2.0	2.51	2.4	10.75	2.2	0.31	1.6	0.34	3.4
250	7070.00	4.4	2.18	5.8	33.04	4.6	7.51	4.4	7.13	4.2	7.82	5.3	21.50	4.5	2.47	5.6	10.77	5.1	0.38	4.5	0.27	6.2
150	8140.00	5.1	1.81	5.6	32.37	5.2	6.71	4.5	8.05	5.4	5.62	4.3	20.49	4.9	2.10	5.5	10.28	5.6	0.44	5.9	0.19	5.0
106	5780.00	3.6	1.63	3.6	31.93	3.6	7.02	3.3	7.96	3.8	5.23	2.9	24.50	4.2	1.92	3.6	9.82	3.8	0.49	4.7	0.16	3.0
45	23520.00	14.8	1.17	10.4	23.12	10.7	12.57	24.4	5.63	11.0	8.60	19.2	25.67	17.7	1.33	10.0	7.09	11.2	0.47	18.3	0.16	12.2
38	3350.00	2.1	1.02	1.3	19.84	1.3	15.30	4.2	4.44	1.2	11.21	3.6	27.06	2.7	1.12	1.2	6.17	1.4	0.47	2.6	0.19	2.1
-38	104800.00	65.9	1.72	67.9	34.39	70.6	6.36	55.0	8.21	71.2	5.91	58.8	20.19	62.0	1.99	66.7	9.71	68.3	0.35	60.8	0.19	64.6
Calc'd HEAD	159050.00	100.0	1.67	100.0	32.08	100.0	7.62	100.0	7.59	100.0	6.62	100.0	21.45	100.00	1.96	97.5	9.36	100.0	0.38	100.0	0.19	100.0
ASSAY HEAD			1.81		33.29		8.12		8.35		6.76		21.75		2.02		9.94		0.38		0.19	

Table 09 – Sample MXBS003 – Summary of chemical results by grain size.

WET TABLE CON	FRACTION WEIGHT (g)	Wt. DISTN. (%)	P2O5		SiO2		TiO2		Al2O3		CaO		Fe2O3		K2O		MgO		MnO		Na2O	
			P2O5 Grade (%)	P2O5 DISTN. (%)	SiO2 Grade (%)	SiO2 DISTN. (%)	TiO2 Grade (%)	TiO2 DISTN. (%)	Al2O3 Grade (%)	Al2O3 DISTN. (%)	CaO Grade (%)	CaO DISTN. (%)	Fe2O3 Grade (%)	Fe2O3 DISTN. (%)	K2O Grade (%)	K2O DISTN. (%)	MgO Grade (%)	MgO DISTN. (%)	MnO Grade (%)	MnO DISTN. (%)	Na2O Grade (%)	Na2O DISTN. (%)
710	38220.00	16.9	3.59	17.7	33.49	16.8	7.89	15.9	7.84	16.9	5.97	17.9	21.20	16.5	4.05	16.9	5.67	17.3	0.35	16.5	0.10	16.7
500	32170.00	14.2	3.43	14.2	33.87	14.3	8.28	14.0	8.00	14.5	5.72	14.4	21.99	14.4	4.11	14.4	5.58	14.3	0.36	14.3	0.10	14.1
250	56550.00	25.0	3.25	23.6	33.35	24.7	9.18	27.4	7.88	25.2	5.31	23.5	22.12	25.5	3.98	24.6	5.44	24.5	0.37	25.8	0.10	24.8
150	27110.00	12.0	3.26	11.4	33.35	11.9	8.92	12.7	7.79	11.9	5.62	11.9	21.98	12.1	4.15	12.3	5.58	12.0	0.37	12.4	0.10	11.9
106	19100.00	8.4	3.13	7.7	34.01	8.5	8.24	8.3	7.98	8.6	5.36	8.0	21.94	8.5	4.12	8.6	5.50	8.4	0.36	8.5	0.10	8.4
45	32440.00	14.3	3.62	15.1	34.18	14.5	7.63	13.0	7.44	13.6	5.80	14.7	20.97	13.9	3.94	14.0	5.59	14.4	0.34	13.6	0.10	14.2
38	16690.00	7.4	3.89	8.4	34.47	7.5	7.99	7.0	7.93	7.5	5.91	7.7	21.59	7.3	4.12	7.5	5.53	7.4	0.35	7.2	0.11	8.0
-38	3900.00	1.7	3.93	2.0	33.85	1.7	7.75	1.6	7.70	1.7	6.22	1.9	21.21	1.7	4.15	1.8	5.61	1.7	0.34	1.6	0.11	1.9
Calc'd HEAD	226180.00	100.0	3.44	100.0	33.71	100.0	8.39	100.0	7.83	100.0	5.65	100.0	21.69	100.00	4.05	100.0	5.55	100.0	0.36	100.0	0.10	100.0
ASSAY HEAD			3.26		33.47		8.37		7.86		5.69		22.04		4.10		5.53		0.36		0.10	

Table 10 – Sample MXBS004 – Summary of chemical results by grain size.

WET TABLE CON	FRACTION WEIGHT (g)	Wt. DISTN. (%)	P2O5		SiO2		TiO2		Al2O3		CaO		Fe2O3		K2O		MgO		MnO		Na2O	
			P2O5 Grade (%)	P2O5 DISTN. (%)	SiO2 Grade (%)	SiO2 DISTN. (%)	TiO2 Grade (%)	TiO2 DISTN. (%)	Al2O3 Grade (%)	Al2O3 DISTN. (%)	CaO Grade (%)	CaO DISTN. (%)	Fe2O3 Grade (%)	Fe2O3 DISTN. (%)	K2O Grade (%)	K2O DISTN. (%)	MgO Grade (%)	MgO DISTN. (%)	MnO Grade (%)	MnO DISTN. (%)	Na2O Grade (%)	Na2O DISTN. (%)
710	37020.00	17.6	2.04	17.1	34.29	18.0	6.26	16.5	5.74	17.3	10.39	18.1	16.67	17.1	2.74	17.4	11.26	18.3	0.27	17.3	0.23	19.2
500	30970.00	14.8	2.06	14.5	34.18	15.0	6.30	13.9	5.79	14.6	10.22	14.9	16.72	14.4	2.76	14.6	11.25	15.3	0.28	15.0	0.22	15.3
250	52640.00	25.1	2.04	24.4	33.18	24.8	6.61	24.8	5.85	25.1	10.06	24.9	17.23	25.1	2.78	25.1	10.82	24.9	0.28	25.6	0.20	23.7
150	25930.00	12.4	2.13	12.5	33.41	12.3	7.20	13.3	5.94	12.6	9.96	12.1	17.61	12.7	2.76	12.3	10.81	12.3	0.28	12.6	0.20	11.7
106	12030.00	5.7	2.17	5.9	33.15	5.7	7.31	6.3	5.96	5.8	10.08	5.7	17.62	5.9	2.84	5.9	10.75	5.7	0.29	6.0	0.20	5.4
45	28180.00	13.4	2.09	13.4	32.77	13.1	6.93	13.9	5.81	13.4	10.28	13.6	17.66	13.8	2.78	13.4	10.42	12.9	0.28	13.7	0.21	13.3
38	16540.00	7.9	2.28	8.6	34.18	8.0	6.14	7.2	5.87	7.9	10.07	7.8	17.29	7.9	2.85	8.1	10.56	7.6	0.28	8.0	0.22	8.2
-38	6550.00	3.1	2.46	3.7	34.52	3.2	5.83	2.7	6.07	3.2	9.77	3.0	17.13	3.1	2.92	3.3	10.77	3.1	0.27	3.1	0.22	3.2
Calc'd HEAD	209860.00	100.0	2.10	100.0	33.62	100.0	6.69	98.6	5.84	100.0	10.15	100.0	17.18	100.00	2.78	99.94	10.88	99.97	0.27	101.3	0.21	100.0
ASSAY HEAD			2.10		33.97		8.12		5.90		10.02		16.80		2.91		9.94		0.28		0.22	