

PHOTOVOLT COLOR ANALYSIS TABLE Version 1.2

Client: **Voyageur Industrial Minerals**
 TRACKING #: **MI5027-NOV15**

DATE: **30/11/2015**
 Material : **Ground**

ENTER READINGS FROM 577 (% Reflectance)

#	SAMPLE ID #	READING1			READING 2		
		AMBER	BLUE	GREEN	AMBER	BLUE	GREEN
1	C1-FC	89	87.5	88	89.7	87.5	89
2	C2-FC	90	90.3	89.2	90.5	90.3	89.7
3	C4-FC	90.3	87.9	88.9	90.5	87.5	89.3
4	PED-1	89	87.5	88.2	88.7	88.3	87.9
5	PED-2	90.9	91.2	90	90.6	91.6	90
6	PED-3	89.3	88.3	88.2	89.2	88.3	88.1

#	SAMPLE ID #	AVERAGE VALUE			CIE - X, Y, Z SCALE		
		AMBER	BLUE	GREEN	X	Y	Z
1	C1-FC	89.4	87.5	88.5	87.2	88.5	103.3
2	C2-FC	90.3	90.3	89.5	88.5	89.5	106.6
3	C4-FC	90.4	87.7	89.1	88.1	89.1	103.5
4	PED-1	88.9	87.9	88.1	86.9	88.1	103.7
5	PED-2	90.8	91.4	90.0	89.1	90.0	107.9
6	PED-3	89.3	88.3	88.2	87.3	88.2	104.2

#	SAMPLE ID #	CIE - x,y,z VALUES			L* a* b* (CIE 1976)		
		x	y	z	L*	a*	b*
1	C1-FC	0.313	0.317	0.370	95.4	-2.3	-10.1
2	C2-FC	0.311	0.314	0.375	95.8	-1.8	-11.6
3	C4-FC	0.314	0.317	0.369	95.6	-1.8	-9.8
4	PED-1	0.312	0.316	0.372	95.2	-2.1	-10.8
5	PED-2	0.310	0.314	0.376	96.0	-1.7	-12.0
6	PED-3	0.312	0.315	0.373	95.2	-1.6	-11.0

PHOTOVOLT COLOR ANALYSIS TABLE

#	SAMPLE ID #	L* u' v' (CIE 1976)			HUNTER L, a, b		
		L*	u'	v'	L	a	b
1	C1-FC	95.4	0.202	0.462	94.1	0.9	0.8
2	C2-FC	95.8	0.202	0.460	94.6	1.4	-0.6
3	C4-FC	95.6	0.203	0.462	94.4	1.4	1.1
4	PED-1	95.2	0.202	0.461	93.8	1.1	0.1
5	PED-2	96.0	0.202	0.460	94.9	1.5	-1.0
6	PED-3	95.2	0.203	0.461	93.9	1.7	-0.1

#	SAMPLE ID #	YELLOWNESS INDEX			WHITENESS INDEX
		100(A-B)/G	ASTM D-1925	ASTM E-313	ASTM E-313
1	C1-FC	2.09	2.50	1.18	84.5
2	C2-FC	-0.06	0.31	-0.90	92.9
3	C4-FC	3.03	3.46	1.62	83.5
4	PED-1	1.08	1.46	0.22	87.5
5	PED-2	-0.72	-0.37	-1.50	95.6
6	PED-3	1.08	1.46	-0.12	88.7