Certificate of Analysis

Work Order: TO115120

To: **Dallas Davis**
COD SGS Minerals
Dalmin Corporation
407 Dufferin St.
Fredericton
NB E3B 3A8

Date: Jul 08, 2011

P.O. No.	:	Dalmin Corporation
Project No.	:	-
No. Of Samples	:	74
Date Submitted	:	Jun 24, 2011
Report Comprises	:	Pages 1 to 13 (Inclusive of Cover Sheet)

Distribution of unused material:
STORE:

Certified By : _____
Lawrence Ng
Regional Business Manager (GEOCHEM)

SGS Minerals Services (Toronto) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at http://www.scc.ca/en/programs/lab/mineral.shtml

Report Footer:

L.N.R. = Listed not received
n.a. = Not applicable
I.S. = Insufficient Sample
-- = No result

*INF = Composition of this sample makes detection impossible by this method

M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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Final : TO115120 Order: Dalmin Corporation

Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	1	10	0.1	10	1	10	1	5	5
Units	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb
MA-5-5200	113	87	<10	0.4	4500	<1	490	14	277	14
MA-5-5250	52	68	<10	0.4	8810	<1	710	20	46	8
MA-5-5300	17	64	60	0.5	4480	<1	430	22	270	38
MA-5-5350	10	39	220	0.8	12100	3	330	17	1270	118
MA-5-5400	1	49	130	0.5	7230	<1	420	4	99	52
MA-5-5450	5	38	190	0.4	6740	<1	270	12	308	38
MA-5-5500	35	17	130	1.1	18400	<1	400	14	534	20
MA-5-5550	42	139	10	0.3	5110	<1	200	34	166	126
MA-5-5600	70	88	20	0.1	4470	<1	210	49	155	48
MA-5-5650	43	85	20	0.2	3700	<1	240	97	138	44
MA-5-5700	24	133	<10	0.2	2010	<1	250	76	262	82
MA-5-5750	135	11	<10	0.5	1860	<1	420	84	<5	13
MA-5-5800	76	4	10	1.3	1940	<1	340	9	7	27
MA-5-5850	51	215	50	<0.1	1920	5	70	16	480	62
MA-5-5900	34	101	50	0.3	2250	2	130	13	301	30
MA-5-5950	14	71	20	0.1	2020	2	310	13	244	365
MA-5-6000	49	34	<10	0.5	930	<1	450	30	94	46
MA-5-6050	76	123	70	1.4	1770	3	240	106	1000	120
MA-5-6100	95	64	10	1.9	2080	<1	280	122	199	242
MA-5-6150	133	90	10	1.6	1490	<1	310	58	151	56
MA-5-6200	131	89	<10	5.0	1250	<1	330	110	171	278
MA-5-6250	25	87	<10	0.4	1750	<1	310	156	313	67
MA-5-6300	45	132	<10	0.4	1680	<1	260	57	591	27
MA-5-6350	39	81	20	0.2	1970	1	270	44	230	31
MA-5-6400	29	110	<10	<0.1	3920	<1	370	33	126	14
MA-5-6450	42	137	<10	0.3	3100	<1	230	240	426	113
MA-5-6500	142	49	<10	0.9	2600	<1	560	54	110	15
MA-5-6550	89	20	<10	1.7	3350	<1	350	46	66	68
MA-5-6600	30	62	<10	0.3	2280	<1	510	43	279	41
MA-5-6650	51	58	<10	0.5	3240	<1	560	35	190	102
MA-5-6700	46	44	<10	1.0	3920	<1	470	18	82	41
MA-5-6750	11	61	<10	0.5	2400	<1	420	53	147	89
MA-5-6800	134	25	<10	1.4	4590	<1	470	29	<5	38
MA-5-6850	28	35	<10	0.5	4380	<1	470	38	121	258
MA-5-6900	39	44	<10	0.2	5580	<1	280	22	392	16
MA-5-6950	42	116	10	<0.1	3220	<1	180	41	339	23
MA-5-7000	30	72	<10	<0.1	4430	<1	290	13	180	50
MA-5-7050	14	101	10	<0.1	5040	1	200	25	294	50
MA-3-5250	32	35	<10	0.3	6200	<1	400	16	72	13
MA-3-5300	23	52	<10	0.6	7200	<1	470	87	55	34
MA-3-5350	<1	39	360	0.7	14100	<1	160	7	87	53
MA-3-5400	42	22	<10	0.2	9030	<1	390	9	13	<5
MA-3-5450	50	37	<10	0.4	6930	<1	580	3	98	15

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Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	1	10	0.1	10	1	10	1	5	5
Units	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb
MA-3-5500	23	83	<10	<0.1	3360	<1	240	142	163	139
MA-3-5550	56	31	<10	0.1	5440	<1	300	21	50	28
MA-3-5600	61	81	10	0.1	4600	<1	240	44	248	126
MA-3-5650	13	109	<10	<0.1	4400	<1	240	80	190	84
MA-3-5700	22	71	<10	<0.1	5130	<1	330	40	125	20
MA-3-5750	39	79	20	0.1	3760	<1	240	105	273	47
MA-3-5800	55	141	20	0.2	2480	<1	250	37	447	52
MA-3-5850	31	221	30	0.1	1560	1	40	49	480	195
MA-8-6550	72	73	<10	0.9	1210	<1	380	36	155	27
MA-8-6600	39	86	<10	0.3	1990	<1	350	23	252	41
MA-8-6650	29	94	<10	0.2	2400	<1	340	36	282	153
MA-8-6700	67	61	<10	0.8	3660	<1	550	62	206	37
MA-8-6750	36	77	<10	0.5	3280	<1	390	145	172	23
MA-8-6800	55	55	<10	0.9	3010	<1	420	43	161	91
MA-8-6850	189	40	<10	1.0	5230	<1	520	48	38	37
MA-8-6900	36	18	10	0.4	3930	<1	240	13	87	17
MA-8-6950	8	8	10	2.4	10500	<1	210	15	6	<5
MA-8-7000	39	65	<10	<0.1	3960	<1	370	46	251	78
MA-8-7050	34	117	30	0.3	3120	2	160	17	1560	35
MA-8-5200	44	82	<10	0.3	5690	<1	520	43	56	<5
MA-8-5250	44	87	<10	0.2	6430	<1	410	40	153	211
MA-8-5300	13	42	150	0.9	6590	<1	360	13	638	11
MA-8-5350	2	31	20	0.2	2350	<1	350	28	517	52
MA-8-5400	5	30	80	0.3	3590	<1	300	14	513	34
MA-8-5450	16	19	30	0.9	10900	<1	400	16	248	26
MA-8-5500	18	31	140	0.6	8590	<1	390	20	876	36
MA-8-5550	9	169	10	<0.1	3430	<1	160	35	241	39
MA-8-5600	21	91	<10	<0.1	3660	<1	190	40	173	14
MA-8-5650	50	33	10	0.1	4820	<1	220	49	201	26
MA-8-5700	39	39	10	0.2	3310	<1	190	21	342	36
MA-8-5750	33	29	<10	0.2	3420	<1	330	37	226	54
*Rep MA-5-5500	32	16	120	1.0	18600	<1	400	12	506	19
*Rep MA-5-6350	39	84	20	0.2	1970	1	280	45	231	29
*Rep MA-3-5250	17	16	<10	0.5	5230	<1	330	13	26	30
*Rep MA-3-5500	22	83	<10	<0.1	3500	<1	250	148	163	162
*Rep MA-8-6950	8	8	10	1.2	10900	<1	210	15	6	<5
*Rep MA-8-5400	<1	38	110	<0.1	2370	<1	260	10	563	19
*Std MMISRM16	15	40	20	25.5	70	<1	190	4	16	55
*Std AMIS0169	7	61	10	0.3	670	<1	30	2	835	106
*Blk BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5
*Blk BLANK	<1	<1	<10	<0.1	10	<1	<10	<1	<5	<5

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Element	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Hg
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	100	0.5	10	1	0.5	0.5	1	1	1	1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb
MA-5-5200	<100	3.1	600	62	41.5	11.0	8	57	55	<1
MA-5-5250	<100	1.3	2190	12	7.2	2.6	12	111	14	<1
MA-5-5300	<100	5.4	15000	69	43.8	19.0	44	60	86	<1
MA-5-5350	100	3.5	14200	158	103	38.5	270	150	180	<1
MA-5-5400	<100	1.8	620	27	24.2	5.9	131	92	27	<1
MA-5-5450	<100	1.3	1760	51	35.6	13.4	232	82	59	<1
MA-5-5500	<100	1.3	8070	82	51.5	19.9	46	209	106	<1
MA-5-5550	<100	7.0	1460	228	132	52.3	27	61	262	<1
MA-5-5600	<100	8.9	670	16	7.5	4.0	36	56	23	<1
MA-5-5650	<100	4.9	470	9	4.2	2.1	27	47	12	<1
MA-5-5700	<100	6.8	960	46	25.7	10.9	32	26	51	<1
MA-5-5750	<100	2.4	3680	15	8.5	2.0	5	22	13	<1
MA-5-5800	<100	<0.5	2690	4	2.2	0.6	6	23	4	<1
MA-5-5850	<100	8.7	310	41	19.0	9.8	104	42	50	<1
MA-5-5900	<100	5.4	920	44	23.1	10.8	69	36	60	<1
MA-5-5950	<100	0.8	1120	15	9.1	3.9	84	26	19	<1
MA-5-6000	<100	9.0	640	36	20.6	11.3	13	11	43	<1
MA-5-6050	<100	44.1	740	160	104	40.8	57	24	160	<1
MA-5-6100	<100	9.9	1270	33	21.0	8.9	35	28	36	<1
MA-5-6150	<100	24.4	2340	53	32.2	14.0	20	20	55	<1
MA-5-6200	<100	3.0	10100	63	42.2	17.2	31	17	69	<1
MA-5-6250	<100	5.4	500	37	20.9	9.4	33	24	43	<1
MA-5-6300	<100	4.3	1450	144	83.2	29.6	29	23	147	<1
MA-5-6350	<100	3.5	770	30	16.4	7.7	58	28	38	<1
MA-5-6400	<100	1.6	150	19	8.6	5.1	17	51	26	<1
MA-5-6450	<100	3.0	2860	194	148	28.8	45	39	162	<1
MA-5-6500	<100	2.0	4290	25	15.6	5.3	22	32	30	<1
MA-5-6550	<100	<0.5	3920	19	12.4	2.8	13	40	20	<1
MA-5-6600	<100	<0.5	2150	43	22.4	9.2	29	28	62	<1
MA-5-6650	<100	<0.5	1650	59	42.7	8.6	26	38	60	<1
MA-5-6700	<100	<0.5	2730	30	18.5	5.6	28	47	34	<1
MA-5-6750	<100	<0.5	2990	23	13.5	4.4	54	29	27	<1
MA-5-6800	<100	<0.5	3110	25	16.5	3.0	6	55	24	<1
MA-5-6850	<100	0.8	1810	21	12.8	3.6	9	53	25	<1
MA-5-6900	<100	<0.5	610	32	15.0	6.8	34	68	48	<1
MA-5-6950	<100	2.7	260	24	11.2	6.1	56	43	35	<1
MA-5-7000	<100	<0.5	260	15	7.4	3.1	58	53	21	<1
MA-5-7050	<100	1.2	160	18	8.1	3.8	61	68	24	<1
MA-3-5250	<100	2.9	1830	15	7.5	4.1	21	78	21	<1
MA-3-5300	<100	7.9	14800	42	32.5	8.2	36	91	39	<1
MA-3-5350	<100	5.1	2340	20	20.1	3.6	210	173	17	<1
MA-3-5400	<100	1.3	310	2	1.2	<0.5	13	109	3	<1
MA-3-5450	<100	0.9	1850	22	10.9	6.0	38	82	30	<1

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Element	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Hg
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	100	0.5	10	1	0.5	0.5	1	1	1	1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb
MA-3-5500	<100	5.0	330	10	5.7	2.5	32	42	13	<1
MA-3-5550	<100	6.4	410	4	1.7	1.0	13	66	6	<1
MA-3-5600	<100	3.9	2380	38	24.0	9.4	56	60	45	<1
MA-3-5650	<100	2.4	240	17	9.0	3.7	42	59	20	<1
MA-3-5700	<100	2.5	390	14	6.8	3.4	23	64	18	<1
MA-3-5750	<100	3.0	1080	26	12.3	6.5	30	48	35	<1
MA-3-5800	<100	2.2	470	41	19.7	8.6	59	34	48	<1
MA-3-5850	<100	9.8	930	39	18.2	9.3	64	27	45	<1
MA-8-6550	<100	1.4	4040	17	8.6	4.0	16	16	25	<1
MA-8-6600	<100	1.4	2000	19	9.3	4.5	26	27	28	<1
MA-8-6650	<100	0.8	2670	36	19.5	7.0	70	31	45	<1
MA-8-6700	<100	<0.5	2720	74	51.2	10.9	36	47	74	<1
MA-8-6750	<100	0.5	1750	89	76.1	9.8	73	41	67	<1
MA-8-6800	<100	<0.5	3050	47	30.3	9.0	39	37	55	<1
MA-8-6850	<100	0.6	2600	30	18.8	4.2	8	63	33	<1
MA-8-6900	<100	<0.5	760	19	8.4	5.0	11	47	35	<1
MA-8-6950	<100	1.7	180	4	2.3	<0.5	1	127	4	5
MA-8-7000	<100	<0.5	730	70	45.6	10.0	28	47	73	<1
MA-8-7050	<100	2.1	530	119	50.4	29.0	68	44	184	<1
MA-8-5200	<100	1.1	1140	20	12.6	4.5	13	68	21	<1
MA-8-5250	<100	1.7	3190	21	14.0	5.0	27	74	25	<1
MA-8-5300	<100	6.0	8550	126	76.4	35.0	49	74	161	<1
MA-8-5350	<100	2.1	1850	73	50.9	16.7	79	27	81	<1
MA-8-5400	<100	2.8	1300	67	48.5	16.6	86	41	79	<1
MA-8-5450	<100	1.6	3640	42	26.8	9.1	40	119	51	<1
MA-8-5500	<100	1.0	2820	80	46.7	20.5	85	92	105	<1
MA-8-5550	<100	5.2	190	22	10.8	5.1	39	46	28	<1
MA-8-5600	<100	3.5	660	16	6.9	3.6	18	42	22	<1
MA-8-5650	<100	2.7	980	22	9.3	6.4	16	53	36	<1
MA-8-5700	<100	2.9	690	33	13.8	9.6	16	38	54	<1
MA-8-5750	<100	0.9	570	22	10.0	6.2	18	38	31	<1
*Rep MA-5-5500	<100	1.3	7920	82	50.3	19.6	46	213	103	<1
*Rep MA-5-6350	<100	3.5	760	30	16.4	7.5	57	29	39	<1
*Rep MA-3-5250	<100	2.9	1490	6	3.5	1.4	14	67	8	<1
*Rep MA-3-5500	<100	5.3	360	9	5.5	2.4	32	45	12	<1
*Rep MA-8-6950	<100	1.7	190	4	2.2	<0.5	1	134	4	5
*Rep MA-8-5400	<100	2.5	900	73	51.1	17.4	129	28	80	<1
*Std MMISRM16	<100	12.9	640	2	0.8	1.0	2	1	4	16
*Std AMIS0169	<100	8.7	3820	32	13.9	13.0	41	16	59	<1
*Blk BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	<1	<1	<1
*Blk BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	<1	<1	<1

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Element	In	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	0.5	0.1	1	5	1	10	5	0.5	1	5
Units	ppb	ppm	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb
MA-5-5200	<0.5	2.8	110	<5	15	2500	34	<0.5	134	143
MA-5-5250	<0.5	9.9	22	<5	23	610	36	0.6	34	108
MA-5-5300	<0.5	8.7	240	13	13	1590	424	2.8	299	127
MA-5-5350	<0.5	7.2	603	6	16	11600	694	7.3	784	131
MA-5-5400	<0.5	12.6	77	11	19	2570	646	2.7	99	131
MA-5-5450	<0.5	7.7	193	18	9	27500	3860	3.0	246	102
MA-5-5500	<0.5	18.3	272	21	17	440	1770	1.7	392	89
MA-5-5550	<0.5	13.5	662	<5	5	19800	17	1.1	858	47
MA-5-5600	<0.5	33.9	92	<5	15	4400	12	1.7	88	51
MA-5-5650	<0.5	57.5	41	<5	18	5260	10	0.8	45	71
MA-5-5700	<0.5	97.3	124	<5	13	10800	14	0.8	163	166
MA-5-5750	<0.5	87.2	1	7	25	3180	10	<0.5	6	140
MA-5-5800	<0.5	25.6	3	17	30	1630	7	<0.5	6	402
MA-5-5850	<0.5	33.9	241	<5	15	4580	42	5.9	201	63
MA-5-5900	<0.5	9.9	190	<5	2	2670	104	3.1	215	20
MA-5-5950	<0.5	11.1	86	<5	14	32700	128	2.2	93	125
MA-5-6000	<0.5	48.4	62	<5	21	5110	39	<0.5	111	51
MA-5-6050	0.5	43.8	372	<5	27	13000	14	0.6	477	142
MA-5-6100	<0.5	71.1	83	<5	55	21900	18	<0.5	106	206
MA-5-6150	<0.5	38.9	95	<5	35	5100	15	<0.5	135	242
MA-5-6200	<0.5	36.8	180	<5	20	55700	87	0.5	202	628
MA-5-6250	<0.5	30.4	115	<5	22	11200	16	0.8	143	111
MA-5-6300	<0.5	24.9	299	<5	16	4080	7	0.7	390	194
MA-5-6350	<0.5	21.3	101	<5	19	4670	17	1.6	130	98
MA-5-6400	<0.5	31.2	83	<5	23	1710	<5	<0.5	86	52
MA-5-6450	<0.5	23.8	250	<5	26	27400	7	0.6	363	266
MA-5-6500	<0.5	9.5	60	<5	25	1440	25	0.6	88	179
MA-5-6550	<0.5	18.2	6	<5	22	5890	35	<0.5	25	104
MA-5-6600	<0.5	11.6	153	<5	46	3460	7	0.5	217	231
MA-5-6650	<0.5	19.1	113	<5	87	9690	15	0.7	172	299
MA-5-6700	<0.5	20.0	62	<5	81	1930	17	0.5	101	114
MA-5-6750	<0.5	29.8	67	<5	56	4240	12	1.1	93	193
MA-5-6800	<0.5	18.9	5	<5	125	2020	11	<0.5	22	250
MA-5-6850	<0.5	22.6	66	<5	79	15100	13	0.5	89	162
MA-5-6900	<0.5	30.9	183	<5	46	2560	7	0.5	199	51
MA-5-6950	<0.5	39.4	165	<5	15	9220	6	3.9	159	30
MA-5-7000	<0.5	27.4	105	<5	64	2940	5	2.1	88	50
MA-5-7050	<0.5	34.6	127	<5	23	8480	8	5.1	112	44
MA-3-5250	<0.5	9.5	43	<5	10	3640	119	<0.5	68	108
MA-3-5300	<0.5	7.4	92	<5	12	11800	469	<0.5	110	60
MA-3-5350	<0.5	11.7	50	9	11	1470	702	1.8	64	114
MA-3-5400	<0.5	7.6	5	19	20	320	20	<0.5	9	52
MA-3-5450	<0.5	3.0	74	<5	24	330	7	<0.5	108	142

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Element	In	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	0.5	0.1	1	5	1	10	5	0.5	1	5
Units	ppb	ppm	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb
MA-3-5500	<0.5	104	37	<5	24	21000	19	1.0	48	102
MA-3-5550	<0.5	80.5	15	<5	14	3400	21	0.6	20	55
MA-3-5600	<0.5	28.7	138	<5	14	35000	19	1.8	197	183
MA-3-5650	<0.5	78.8	59	<5	22	18300	12	1.2	71	97
MA-3-5700	<0.5	57.3	41	<5	20	3830	9	<0.5	57	77
MA-3-5750	<0.5	43.5	99	<5	18	7970	20	0.7	129	119
MA-3-5800	<0.5	34.6	170	<5	51	7870	13	1.8	172	180
MA-3-5850	<0.5	14.6	208	<5	2	52100	39	2.8	188	142
MA-8-6550	<0.5	6.5	45	<5	61	2200	50	<0.5	78	216
MA-8-6600	<0.5	8.3	70	<5	52	2710	14	<0.5	106	151
MA-8-6650	<0.5	7.2	130	6	50	11400	16	0.9	175	203
MA-8-6700	<0.5	16.3	145	7	117	2120	7	0.7	206	352
MA-8-6750	<0.5	39.6	111	<5	51	830	10	0.6	160	476
MA-8-6800	<0.5	35.8	129	6	75	4610	14	0.8	186	324
MA-8-6850	<0.5	14.4	29	13	125	1300	<5	<0.5	61	203
MA-8-6900	<0.5	36.3	86	<5	44	1320	5	<0.5	139	36
MA-8-6950	<0.5	46.8	<1	80	24	470	8	<0.5	3	8
MA-8-7000	<0.5	55.7	131	<5	88	13900	<5	0.6	198	273
MA-8-7050	<0.5	26.4	741	<5	32	3930	7	7.3	849	30
MA-8-5200	<0.5	3.3	33	<5	28	770	13	<0.5	53	102
MA-8-5250	<0.5	5.8	67	<5	19	23400	25	<0.5	88	180
MA-8-5300	<0.5	10.4	429	<5	12	1030	501	2.9	599	54
MA-8-5350	<0.5	8.8	247	48	16	4970	1820	4.2	312	153
MA-8-5400	<0.5	7.3	247	22	11	10800	560	3.7	317	118
MA-8-5450	<0.5	10.8	91	38	31	1060	1050	2.7	174	99
MA-8-5500	<0.5	2.8	409	43	39	1330	4720	8.0	484	208
MA-8-5550	<0.5	58.2	85	<5	4	4670	20	2.0	106	48
MA-8-5600	<0.5	57.6	55	<5	22	3040	11	0.5	75	81
MA-8-5650	<0.5	60.8	98	<5	13	4090	16	<0.5	141	43
MA-8-5700	<0.5	40.3	137	<5	11	4150	15	<0.5	210	34
MA-8-5750	<0.5	40.9	61	<5	35	4270	10	<0.5	107	76
*Rep MA-5-5500	<0.5	18.5	254	23	18	430	1740	1.5	374	82
*Rep MA-5-6350	<0.5	21.9	98	<5	20	4530	15	1.5	127	105
*Rep MA-3-5250	<0.5	8.5	29	7	8	2760	115	<0.5	49	93
*Rep MA-3-5500	<0.5	103	36	<5	25	24800	21	1.1	46	107
*Rep MA-8-6950	<0.5	46.2	<1	75	23	470	8	<0.5	3	8
*Rep MA-8-5400	<0.5	4.9	267	22	10	10600	544	2.3	323	81
*Std MMISRM16	<0.5	34.9	3	<5	29	110	48	<0.5	13	239
*Std AMIS0169	<0.5	41.8	423	<5	32	3500	<5	3.4	419	446
*Blk BLANK	<0.5	<0.1	<1	<5	<1	<10	<5	<0.5	<1	<5
*Blk BLANK	<0.5	<0.1	<1	<5	<1	<10	<5	<0.5	<1	<5

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Element	P	Pb	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	0.1	10	1	1	1	5	1	5	1	1
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
MA-5-5200	0.3	260	<1	32	<1	79	2	26	37	<1
MA-5-5250	0.2	80	<1	8	<1	34	1	8	10	<1
MA-5-5300	0.7	970	<1	71	<1	106	24	34	67	<1
MA-5-5350	0.7	460	1	204	<1	71	40	201	167	<1
MA-5-5400	0.8	640	<1	25	<1	85	9	73	22	<1
MA-5-5450	0.5	430	4	61	<1	55	81	92	51	<1
MA-5-5500	0.2	2220	2	93	<1	52	160	30	87	<1
MA-5-5550	1.4	550	<1	217	<1	155	2	127	210	<1
MA-5-5600	1.9	430	<1	23	<1	222	1	16	19	<1
MA-5-5650	3.0	1180	<1	11	<1	144	<1	6	10	<1
MA-5-5700	2.5	480	<1	40	<1	101	<1	29	41	<1
MA-5-5750	1.1	30	<1	<1	<1	49	<1	5	4	<1
MA-5-5800	1.8	40	<1	<1	<1	8	<1	<5	3	<1
MA-5-5850	8.6	980	<1	56	<1	230	4	48	44	<1
MA-5-5900	1.6	720	<1	53	<1	148	5	36	51	<1
MA-5-5950	1.4	250	<1	25	<1	41	2	19	18	<1
MA-5-6000	0.6	100	<1	24	<1	137	<1	27	31	<1
MA-5-6050	2.4	1900	<1	120	<1	162	3	220	124	<1
MA-5-6100	0.6	190	<1	25	<1	133	<1	53	28	<1
MA-5-6150	0.8	220	<1	31	<1	223	<1	34	38	<1
MA-5-6200	0.8	270	<1	49	<1	47	2	18	48	<1
MA-5-6250	0.7	760	<1	37	<1	140	<1	20	35	<1
MA-5-6300	0.7	1130	<1	96	<1	123	<1	41	107	<1
MA-5-6350	1.4	350	<1	32	<1	109	1	12	31	<1
MA-5-6400	0.7	500	<1	21	<1	93	<1	9	21	<1
MA-5-6450	0.8	460	<1	86	<1	131	<1	155	103	<1
MA-5-6500	0.2	290	<1	20	<1	88	2	12	23	<1
MA-5-6550	0.1	210	<1	4	<1	21	2	12	11	<1
MA-5-6600	0.2	110	<1	53	<1	24	<1	10	52	<1
MA-5-6650	0.7	320	<1	41	<1	54	1	21	45	<1
MA-5-6700	0.3	210	<1	24	<1	18	1	22	26	<1
MA-5-6750	0.3	440	<1	24	<1	55	1	17	23	<1
MA-5-6800	0.2	130	<1	3	<1	21	2	11	11	<1
MA-5-6850	0.7	150	<1	22	<1	85	1	11	21	<1
MA-5-6900	1.5	170	<1	51	<1	53	<1	22	43	<1
MA-5-6950	4.6	290	<1	42	<1	319	<1	27	32	<1
MA-5-7000	1.5	520	<1	24	<1	42	<1	17	18	<1
MA-5-7050	4.9	430	<1	30	<1	112	1	22	22	<1
MA-3-5250	0.4	70	<1	15	<1	62	1	8	17	<1
MA-3-5300	0.4	260	<1	26	<1	54	6	36	27	<1
MA-3-5350	0.7	170	<1	16	<1	108	42	113	15	<1
MA-3-5400	0.3	20	<1	2	<1	65	<1	<5	3	<1
MA-3-5450	0.1	180	<1	26	<1	29	<1	11	26	<1

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Final : TO115120 Order: Dalmin Corporation

Element	P	Pb	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	0.1	10	1	1	1	5	1	5	1	1
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
MA-3-5500	1.1	310	<1	12	<1	153	<1	12	11	<1
MA-3-5550	1.2	180	<1	5	<1	118	<1	<5	5	<1
MA-3-5600	1.8	90	<1	49	<1	207	2	35	42	<1
MA-3-5650	3.2	530	<1	18	<1	134	<1	16	17	<1
MA-3-5700	1.3	200	<1	14	<1	145	<1	9	15	<1
MA-3-5750	3.8	300	<1	32	<1	89	<1	14	30	<1
MA-3-5800	2.4	600	<1	46	<1	88	1	48	41	<1
MA-3-5850	7.2	420	<1	53	<1	238	2	47	42	<1
MA-8-6550	0.4	70	<1	18	<1	44	<1	<5	20	<1
MA-8-6600	0.4	160	<1	26	<1	57	<1	9	26	<1
MA-8-6650	0.5	230	<1	44	<1	67	<1	25	40	<1
MA-8-6700	0.2	390	<1	49	<1	35	1	24	54	<1
MA-8-6750	0.1	640	<1	39	<1	59	1	45	45	<1
MA-8-6800	0.3	310	<1	46	<1	32	1	24	45	<1
MA-8-6850	0.2	250	<1	13	<1	79	1	13	20	<1
MA-8-6900	1.8	70	<1	31	<1	19	<1	6	32	<1
MA-8-6950	<0.1	210	<1	<1	<1	48	1	<5	2	<1
MA-8-7000	0.7	320	<1	47	<1	45	<1	30	53	<1
MA-8-7050	5.2	860	<1	226	<1	113	3	75	178	<1
MA-8-5200	0.3	100	<1	12	<1	22	<1	8	15	<1
MA-8-5250	0.3	120	<1	22	<1	65	2	16	20	<1
MA-8-5300	0.3	1720	<1	150	<1	89	137	82	136	<1
MA-8-5350	0.2	760	2	77	<1	55	54	41	67	<1
MA-8-5400	0.2	370	<1	79	<1	61	36	35	66	<1
MA-8-5450	0.1	1290	<1	39	<1	31	60	12	42	<1
MA-8-5500	0.3	1380	5	129	<1	8	62	31	98	<1
MA-8-5550	4.4	1140	<1	27	<1	258	1	27	25	<1
MA-8-5600	2.1	300	<1	18	<1	147	<1	9	19	<1
MA-8-5650	2.0	150	<1	34	<1	84	<1	13	34	<1
MA-8-5700	1.3	190	<1	50	<1	89	<1	17	51	<1
MA-8-5750	1.4	100	<1	25	<1	39	<1	10	27	<1
*Rep MA-5-5500	0.2	2120	2	89	<1	51	137	29	83	<1
*Rep MA-5-6350	1.3	360	<1	31	<1	110	1	12	30	<1
*Rep MA-3-5250	0.4	60	<1	10	<1	50	2	6	12	<1
*Rep MA-3-5500	1.2	280	<1	12	<1	158	<1	12	11	<1
*Rep MA-8-6950	<0.1	200	<1	<1	<1	46	1	<5	2	<1
*Rep MA-8-5400	0.3	300	<1	73	<1	48	45	39	67	<1
*Std MMISRM16	0.3	90	22	2	<1	303	<1	7	4	<1
*Std AMIS0169	3.3	120	<1	121	<1	236	<1	58	69	<1
*Blk BLANK	<0.1	<10	<1	<1	<1	<5	<1	<5	<1	<1
*Blk BLANK	<0.1	<10	<1	<1	<1	<5	<1	<5	<1	<1

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Element	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	10	1	1	10	0.5	3	0.5	1	1	5
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
MA-5-5200	3260	<1	10	<10	20.0	3	<0.5	1940	<1	500
MA-5-5250	4520	<1	2	<10	31.6	3	<0.5	725	<1	94
MA-5-5300	4010	<1	13	<10	125	34	<0.5	4380	2	562
MA-5-5350	2910	<1	30	<10	499	503	<0.5	4310	4	940
MA-5-5400	4070	<1	5	<10	57.3	108	<0.5	3720	1	236
MA-5-5450	2130	<1	10	<10	85.3	214	<0.5	1420	7	427
MA-5-5500	3190	<1	16	<10	150	24	<0.5	1540	6	518
MA-5-5550	770	<1	43	<10	137	244	<0.5	224	2	1330
MA-5-5600	1110	<1	3	<10	79.2	386	<0.5	23	1	84
MA-5-5650	920	<1	2	<10	73.5	111	<0.5	22	<1	42
MA-5-5700	770	<1	9	<10	65.6	58	<0.5	99	<1	243
MA-5-5750	1200	<1	2	<10	5.0	7	<0.5	63	<1	83
MA-5-5800	1520	<1	<1	<10	6.0	6	<0.5	7	<1	24
MA-5-5850	390	<1	8	<10	173	1940	<0.5	47	2	187
MA-5-5900	380	<1	9	<10	143	706	<0.5	129	2	262
MA-5-5950	1260	<1	3	<10	112	106	<0.5	132	<1	96
MA-5-6000	3040	<1	7	<10	70.6	3	<0.5	243	<1	225
MA-5-6050	1170	<1	29	<10	306	105	<0.5	314	1	795
MA-5-6100	1340	<1	6	<10	95.4	21	<0.5	167	<1	218
MA-5-6150	1530	<1	9	<10	69.6	22	<0.5	155	<1	351
MA-5-6200	1930	<1	11	<10	62.2	24	<0.5	974	<1	573
MA-5-6250	1660	<1	7	<10	34.6	75	<0.5	89	<1	208
MA-5-6300	1290	<1	26	<10	50.8	153	<0.5	254	<1	925
MA-5-6350	1450	<1	6	<10	53.9	388	<0.5	61	<1	194
MA-5-6400	2350	<1	4	<10	22.4	49	<0.5	28	<1	100
MA-5-6450	1870	<1	31	<10	185	111	<0.5	387	1	1750
MA-5-6500	3760	<1	5	<10	33.7	4	<0.5	182	<1	209
MA-5-6550	2980	<1	3	<10	68.7	5	<0.5	263	<1	104
MA-5-6600	3200	<1	9	<10	48.5	6	<0.5	357	<1	278
MA-5-6650	4040	<1	10	<10	81.4	6	<0.5	2300	1	333
MA-5-6700	3580	<1	6	<10	131	4	<0.5	221	<1	159
MA-5-6750	2670	<1	4	<10	68.6	10	<0.5	185	<1	137
MA-5-6800	4500	<1	4	<10	29.7	5	<0.5	895	1	130
MA-5-6850	6190	<1	4	<10	62.1	7	<0.5	1550	<1	112
MA-5-6900	2050	<1	7	<10	125	34	<0.5	89	<1	165
MA-5-6950	680	<1	5	<10	91.2	567	<0.5	36	2	120
MA-5-7000	2410	<1	3	<10	50.5	191	<0.5	37	<1	89
MA-5-7050	1030	<1	4	<10	72.4	1260	<0.5	27	2	93
MA-3-5250	2440	<1	3	<10	65.2	8	<0.5	332	<1	92
MA-3-5300	3480	<1	7	<10	19.9	12	<0.5	3740	<1	400
MA-3-5350	1190	<1	3	<10	88.3	302	<0.5	3480	2	161
MA-3-5400	2480	<1	<1	<10	23.6	5	<0.5	463	<1	11
MA-3-5450	4850	<1	5	<10	59.5	<3	<0.5	1750	<1	122

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Element	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	10	1	1	10	0.5	3	0.5	1	1	5
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
MA-3-5500	920	<1	2	<10	37.8	160	<0.5	19	<1	56
MA-3-5550	1350	<1	<1	<10	37.0	64	<0.5	20	<1	17
MA-3-5600	1510	<1	7	<10	96.2	99	<0.5	203	<1	238
MA-3-5650	960	<1	3	<10	40.6	184	<0.5	26	<1	85
MA-3-5700	1500	<1	3	<10	54.7	42	<0.5	21	<1	66
MA-3-5750	1080	<1	6	<10	111	59	<0.5	52	<1	116
MA-3-5800	1620	<1	8	<10	162	326	<0.5	79	<1	196
MA-3-5850	190	<1	8	<10	138	790	<0.5	52	1	169
MA-8-6550	2580	<1	4	<10	48.1	4	<0.5	452	<1	106
MA-8-6600	2300	<1	4	<10	123	8	<0.5	239	<1	103
MA-8-6650	2600	<1	7	<10	70.4	24	<0.5	248	<1	219
MA-8-6700	5310	<1	13	<10	104	27	<0.5	200	<1	414
MA-8-6750	3400	<1	13	<10	74.1	32	<0.5	352	<1	551
MA-8-6800	3030	<1	9	<10	140	25	<0.5	430	<1	261
MA-8-6850	6160	<1	5	<10	55.6	33	<0.5	622	<1	144
MA-8-6900	1780	<1	5	<10	61.1	8	<0.5	89	1	101
MA-8-6950	2630	<1	<1	<10	5.0	<3	<0.5	161	<1	24
MA-8-7000	2770	<1	12	<10	65.8	8	<0.5	480	<1	371
MA-8-7050	1150	<1	27	<10	160	1640	<0.5	62	4	534
MA-8-5200	3340	<1	3	<10	26.1	<3	<0.5	562	<1	152
MA-8-5250	2540	<1	4	<10	35.7	5	<0.5	688	<1	151
MA-8-5300	2430	<1	25	<10	350	25	<0.5	7750	4	706
MA-8-5350	2830	<1	13	<10	280	66	<0.5	23400	15	493
MA-8-5400	1420	<1	13	<10	246	81	<0.5	3170	18	495
MA-8-5450	3420	<1	8	<10	151	58	<0.5	845	11	221
MA-8-5500	3400	<1	16	<10	299	58	<0.5	912	14	458
MA-8-5550	560	<1	5	<10	94.4	593	<0.5	27	<1	98
MA-8-5600	790	<1	4	<10	78.0	116	<0.5	23	<1	64
MA-8-5650	1220	<1	5	<10	109	38	<0.5	60	<1	93
MA-8-5700	890	<1	8	<10	159	62	<0.5	58	<1	128
MA-8-5750	1970	<1	5	<10	95.4	24	<0.5	40	<1	96
*Rep MA-5-5500	3240	<1	15	<10	145	24	<0.5	1110	6	500
*Rep MA-5-6350	1480	<1	6	<10	50.8	354	<0.5	61	<1	197
*Rep MA-3-5250	2100	<1	1	<10	61.4	12	<0.5	314	<1	68
*Rep MA-3-5500	950	<1	2	<10	37.7	163	<0.5	19	<1	54
*Rep MA-8-6950	2570	<1	<1	<10	4.4	<3	<0.5	157	<1	23
*Rep MA-8-5400	1450	<1	6	<10	223	68	<0.5	3990	14	571
*Std MMISRM16	430	<1	<1	<10	20.9	<3	<0.5	48	<1	8
*Std AMIS0169	90	<1	8	<10	84.4	455	<0.5	28	2	127
*Blk BLANK	<10	<1	<1	<10	<0.5	<3	<0.5	<1	<1	<5
*Blk BLANK	<10	<1	<1	<10	<0.5	<3	<0.5	1	<1	<5

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Element	Yb	Zn	Zr
Method	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	20	5
Units	ppb	ppb	ppb
MA-5-5200	36	<20	<5
MA-5-5250	7	40	<5
MA-5-5300	44	40	16
MA-5-5350	108	110	113
MA-5-5400	32	440	20
MA-5-5450	39	250	13
MA-5-5500	51	60	22
MA-5-5550	101	80	26
MA-5-5600	6	410	17
MA-5-5650	4	3760	35
MA-5-5700	22	530	47
MA-5-5750	8	360	7
MA-5-5800	2	40	<5
MA-5-5850	16	280	68
MA-5-5900	19	130	33
MA-5-5950	9	410	16
MA-5-6000	21	270	<5
MA-5-6050	113	1250	26
MA-5-6100	23	1520	9
MA-5-6150	30	610	10
MA-5-6200	44	290	10
MA-5-6250	19	1530	13
MA-5-6300	67	290	15
MA-5-6350	15	520	16
MA-5-6400	6	210	8
MA-5-6450	139	1980	22
MA-5-6500	16	70	<5
MA-5-6550	12	400	14
MA-5-6600	19	50	9
MA-5-6650	42	110	20
MA-5-6700	18	130	18
MA-5-6750	13	670	15
MA-5-6800	16	30	6
MA-5-6850	12	30	15
MA-5-6900	12	150	17
MA-5-6950	9	240	101
MA-5-7000	6	150	15
MA-5-7050	6	280	37
MA-3-5250	7	160	6
MA-3-5300	32	130	<5
MA-3-5350	27	170	29
MA-3-5400	1	130	<5
MA-3-5450	10	40	5

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Element	Yb	Zn	Zr
Method	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	20	5
Units	ppb	ppb	ppb
MA-3-5500	5	3300	18
MA-3-5550	1	250	7
MA-3-5600	24	90	27
MA-3-5650	8	1470	31
MA-3-5700	6	300	14
MA-3-5750	11	2260	30
MA-3-5800	17	230	29
MA-3-5850	15	330	50
MA-8-6550	8	150	6
MA-8-6600	9	40	11
MA-8-6650	18	90	15
MA-8-6700	49	470	19
MA-8-6750	77	910	25
MA-8-6800	30	400	26
MA-8-6850	18	30	9
MA-8-6900	6	170	11
MA-8-6950	2	130	<5
MA-8-7000	41	280	20
MA-8-7050	36	220	56
MA-8-5200	12	200	<5
MA-8-5250	14	90	5
MA-8-5300	78	70	22
MA-8-5350	53	440	17
MA-8-5400	52	190	16
MA-8-5450	27	50	12
MA-8-5500	46	80	27
MA-8-5550	9	300	92
MA-8-5600	6	240	24
MA-8-5650	8	150	23
MA-8-5700	11	130	20
MA-8-5750	9	340	10
*Rep MA-5-5500	48	50	21
*Rep MA-5-6350	15	520	15
*Rep MA-3-5250	3	240	<5
*Rep MA-3-5500	5	3360	18
*Rep MA-8-6950	2	130	<5
*Rep MA-8-5400	32	300	11
*Std MMISRM16	<1	270	17
*Std AMIS0169	11	210	53
*Blk BLANK	<1	<20	<5
*Blk BLANK	<1	<20	<5

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