

TEST REPORT**SOUNDNESS OF COARSE AGGREGATE (Sodium Sulphate)**

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Attn: Mr Dave Mills

20 April 2006

Lab.Ref.No: MA 06/ 182 C

JOB: "RIP RAP" Source ex MATAROA
(Stratton Property)**SUBJECT:** RIP RAP source Investigation**MATERIAL:** 5 Random rock fragments 0.7 – 1.6 kg said to be from supply location.**SOURCE:** MATAROA, 8 km from Taihape**SAMPLED BY:** CLIENT *(Not Accredited)**SAMPLING METHOD:** Unknown *(Not Accredited)**SAMPLE DATE:** 23 March 2006**DATE SUBMITTED:** 23 March 2006**TESTS REQUIRED:** Soundness of Aggregate using Sodium Sulphate**TESTED BY:** Harald Harsveldt**DATE OF TEST:** 3 to 12 April 2006**TEST RESULTS:** (See Result Table(s) following)**SODIUM SULPHATE SOUNDNESS** (Obtained in accordance with ASTM C88: 76, modified as per "NOTES" below)

Soundness Test for Coarse Aggregate

2a. Quantitative Examination:

Fraction (mm) or (stone)	Fraction Weight (g) before Test	Fraction Weight (g) after 5 cycles	Loss by mass (%)	Grading of Original Sample (%)	Weighted Loss (%)
1	705.3	697.9	1.04	N/A	N/A
2	1102.8	1096.2	0.60	N/A	N/A
3	1270.3	1265.7	0.36	N/A	N/A
4	1213.1	1150.9	5.13	N/A	N/A
5	1123.7	1101.8	1.95	N/A	N/A
TOTAL	5415.2	5317.5	1.81		

MEAN LOSS (%):

1.80 %

or

WEIGHTED AVERAGE LOSS (%):

NA

2b. Qualitative Examination: