



SGS Canada Inc.

P.O. Box 4300 - 185 Concession St.

Lakefield - Ontario - KOL 2H0

Phone: 705-652-2000 FAX: 705-652-6365

Agnico Eagle Mines Limited

Attn : Dan Gorton/Jennifer Brown

Meliadine,

Canada, X0C 0A0

Phone: (819) 759-3555, Fax:(819) 759-3663

MEL

Project : ABA - Modified Sobek

11-November-2019

Date Rec. : 31 October 2019

LR Report: CA19196-OCT19

Reference: P.O#770080

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings-solid(sys_ Completedloc_cod=Tailings-sloc_cod=Tailings-s olid)Oct6	6: Tailings-solid(sys_ Completedloc_cod=Tailings-sloc_cod=Tailings-s olid)Oct14	7: Tailings-solid(sys_ Completedloc_cod=Tailings-sloc_cod=Tailings-s olid)Oct20	8: Tailings-solid(sys_ Completedloc_cod=Tailings-sloc_cod=Tailings-s olid)Oct27
Sample Date & Time					06-Oct-19 12:00	14-Oct-19 12:00	20-Oct-19 11:33	27-Oct-19 10:00
Paste pH [no unit]	07-Nov-19	09:49	08-Nov-19	16:19	8.52	8.49	8.50	8.55
Fizz Rate [no unit]	07-Nov-19	09:49	08-Nov-19	16:19	4	4	4	4
Sample weight [g]	07-Nov-19	09:49	08-Nov-19	16:19	1.96	1.99	1.96	2.03
HCl_add [mL]	08-Nov-19	08:03	08-Nov-19	16:19	59.00	59.20	58.00	73.00
HCl [Normality]	07-Nov-19	09:49	08-Nov-19	16:19	0.10	0.10	0.10	0.10
NaOH [Normality]	07-Nov-19	09:49	08-Nov-19	16:19	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	08-Nov-19	09:49	08-Nov-19	16:19	26.39	26.74	24.20	36.43
Final pH [no unit]	08-Nov-19	09:49	08-Nov-19	16:19	1.84	1.85	1.86	1.61
NP [t CaCO3/1000 t]	08-Nov-19	09:49	08-Nov-19	16:19	83.2	81.6	86.2	90.1
AP [t CaCO3/1000 t]	08-Nov-19	16:19	08-Nov-19	16:19	42.8	47.5	46.2	49.4
Net NP [t CaCO3/1000 t]	08-Nov-19	16:19	08-Nov-19	16:19	40.4	34.1	40.0	40.7
NP/AP [ratio]	08-Nov-19	16:19	08-Nov-19	16:19	1.94	1.72	1.86	1.82
S [%]	07-Nov-19	11:43	08-Nov-19	13:45	1.63	1.77	1.73	1.91
Acid Leachable SO4-S [%]	08-Nov-19	13:45	08-Nov-19	13:45	0.26	0.25	0.25	0.33

[illegible]

*NP (Neutralization Potential)
= 50 x (N of HCL x Total HCL added - N NaOH x NaOH added)

Weight of Sample

$$\text{*AP (Acid Potential)} = \% \text{ Sulphide Sulphur} \times 31.25$$

*Net NP (Net Neutralization Potential) = NP-AP

$$\text{NP/AP Ratio} = \text{NP/AP}$$

*Results expressed as tonnes CaCO₃ equivalent/1000 tonnes of material

Samples with a % Sulphide value of <0.02 will be calculated using a 0.02 value.

Catharine Arnold
Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety