



LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: MT Sulphur and Chemical
Project: Certificate of Analysis
Lab ID: B20011687-001
Client Sample ID: Yellowstone 85 Disintegrating Sulfur

Report Date: 02/13/20
Collection Date: 01/23/20 16:45
Date Received: 01/23/20
Matrix: Solid

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Moisture (As Received)	ND	wt%		0.2		D2974	02/03/20 09:16 / srm
Ash	13.9	wt%		0.01		D2974	01/24/20 13:33 / jlw
WATER EXTRACTABLE CONSTITUENTS							
Chloride, 1:2	9	mg/kg		1		E300.0	02/05/20 17:09 / mrc
CHEMICAL CHARACTERISTICS							
Carbon, Total	0.20	wt%		0.01		Leco	02/11/20 11:10 / srm
Acidity, 1:2	8	mg/kg		1		E305.1	02/11/20 08:18 / jpv
Nitrogen, Kjeldahl, Total as N	ND	mg/kg		100		E351.2	02/13/20 11:16 / zas
INORGANICS							
Sulfur, by loss on ignition	86.1	wt%		0.100		Calculation	01/24/20 13:33 / jlw
METALS, TOTAL HF DIGESTION							
Silicon	4	wt%		1		SW6010B	01/29/20 15:48 / rlh
METALS, TOTAL - EPA SW846							
Aluminum	1200	mg/kg	L	2		SW6020	01/27/20 19:10 / pap
Antimony	ND	mg/kg	L	0.04		SW6020	01/27/20 19:10 / pap
Arsenic	0.5	mg/kg	L	0.3		SW6020	01/27/20 19:10 / pap
Barium	16.9	mg/kg	L	0.06		SW6020	01/27/20 19:10 / pap
Beryllium	0.17	mg/kg		0.05		SW6020	01/29/20 15:08 / pap
Boron	ND	mg/kg	L	5		SW6010B	01/28/20 21:49 / rlh
Cadmium	ND	mg/kg		0.05		SW6020	01/27/20 19:10 / pap
Calcium	858	mg/kg	L	9		SW6020	01/27/20 19:10 / pap
Chromium	0.3	mg/kg		0.1		SW6020	01/27/20 19:10 / pap
Cobalt	0.26	mg/kg		0.05		SW6020	01/27/20 19:10 / pap
Copper	ND	mg/kg		0.5		SW6020	01/31/20 18:57 / pap
Iron	1350	mg/kg	L	2		SW6020	01/27/20 19:10 / pap
Lead	3.0	mg/kg	L	0.2		SW6020	01/27/20 19:10 / pap
Lithium	ND	mg/kg	L	5		SW6010B	01/28/20 21:49 / rlh
Magnesium	436	mg/kg	L	2		SW6010B	01/28/20 21:49 / rlh
Manganese	117	mg/kg	L	0.2		SW6020	01/27/20 19:10 / pap
Molybdenum	0.18	mg/kg		0.05		SW6020	01/27/20 19:10 / pap
Nickel	0.9	mg/kg	L	0.2		SW6020	01/27/20 19:10 / pap
Phosphorus	46	mg/kg	L	2		SW6010B	01/28/20 21:49 / rlh
Potassium	155	mg/kg	L	6		SW6020	01/27/20 19:10 / pap
Selenium	ND	mg/kg	L	0.5		SW6020	01/27/20 19:10 / pap
Silver	ND	mg/kg		0.05		SW6020	01/27/20 19:10 / pap
Sodium	1860	mg/kg	L	7		SW6020	01/27/20 19:10 / pap
Tellurium	ND	mg/kg		5		SW6020	01/27/20 19:10 / pap
Thallium	ND	mg/kg		0.05		SW6020	01/27/20 19:10 / pap
Tin	ND	mg/kg	L	1		SW6020	01/27/20 19:10 / pap

Report Definitions:
RL - Analyte Reporting Limit
QCL - Quality Control Limit
L - Lowest available reporting limit for the analytical method used

MCL - Maximum Contaminant Level
ND - Not detected at the Reporting Limit (RL)



LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: MT Sulphur and Chemical
Project: Certificate of Analysis
Lab ID: B20011687-001
Client Sample ID: Yellowstone 85 Disintegrating Sulfur

Report Date: 02/13/20
Collection Date: 01/23/20 16:45
Date Received: 01/23/20
Matrix: Solid

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL - EPA SW846							
Titanium	17.2	mg/kg	L	0.06		SW6020	01/27/20 19:10 / pap
Vanadium	ND	mg/kg	L	1		SW6020	01/27/20 19:10 / pap
Zinc	6	mg/kg		1		SW6020	01/27/20 19:10 / pap
Mercury	ND	mg/kg		0.06		SW7471B	01/31/20 11:40 / aao

Report Definitions:
RL - Analyte Reporting Limit
QCL - Quality Control Limit
L - Lowest available reporting limit for the analytical method used

MCL - Maximum Contaminant Level
ND - Not detected at the Reporting Limit (RL)