

# CMT ENGINEERING LABORATORIES

Construction • Materials • Technologies  
Geotechnical, Environmental, & Materials Engineering/Testing/Research

06/12/2009

RD100  
RED DOME INC.  
5865 W. 200 S.  
FILLMORE UT 84631

ASTM C-2172, C-136, C-117  
LAB NO.: 165215  
MATERIAL: MSE WALL FILL  
PIT/PLANT: REDDOME

```
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PROJECT:          0596 LAB SERVICES          TEST DATE: 06/09/09
IDENTIFICATION:
SPECIFICATION:
REMARKS:          LOOSE UNIT WT = 39.2 PCF
ITEM:             :
SAMPLE BY:
RUN BY: MF
=====
```

SIEVE USA-METRIC	GRAMS RETAINED	% RETAINED	ACCUM. % RETAINED	% PASSING	SPECIFICATION % PASSING
4"	0.0	0.0	0.0	100	100
1 1/2"	453.4	3.9	3.9	96	
1"	1530.0	13.2	17.2	83	
3/4"	1750.3	15.2	32.3	68	
1/2"	3117.8	27.0	59.3	41	
3/8"	2222.8	19.2	78.6	21	
#4	1604.4	13.9	92.4	8	
-4	872.9	7.6			
TOTAL:	11551.6				
#10	61.5	7.1	7.1	7	
#16	26.1	3.0	10.1	7	
#40	82.0	9.4	19.5	6	0-60
#100	221.5	25.5	45.0	4	
#200	204.0	23.5	68.5	2.4	0-15

=====

**FINE GRADING ONLY:**

```
ORIGINAL WT.      868.9          L.L.      0.0
WASHED WT.       689.0          P.L.      0.0
-#200 W.O.       179.9          P.I.      0.0
-#200 S.O.       93.9          CLASS:
TOTAL -#200/75  273.8 = 31.5%
```

*Doug Watson*

Manager