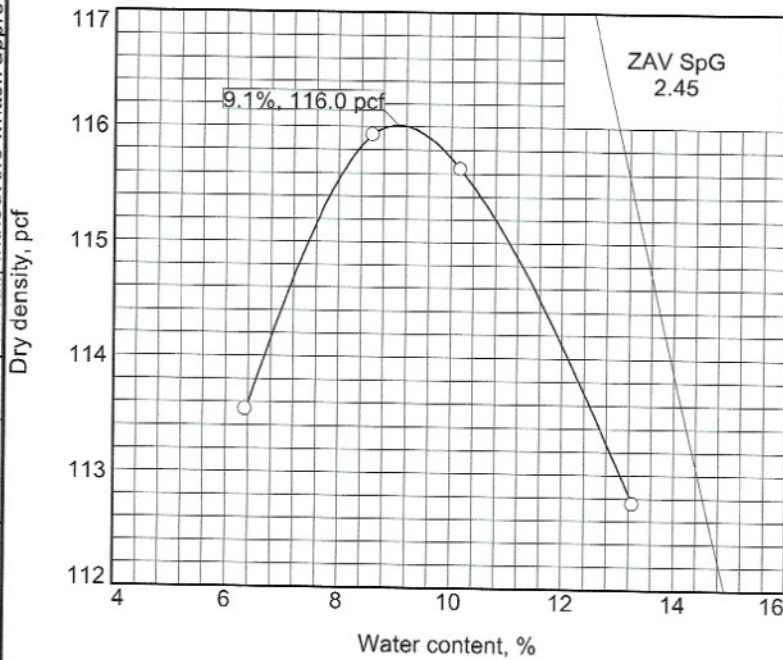


These test results apply only to the samples which were tested. The testing report shall not be reproduced, except in full, without the written approval of K & A, Inc.

# COMPACTION TEST REPORT

Curve No. 2000



Preparation Method	
Rammer: Wt. 10 lb. Drop 18 in.	Type Manual
Layers: No. five Blows per 56	Mold Size 0.075 cu. ft.
Test Performed on Material	
Passing 3/4 in. Sieve	
%>3/4 in. 0	%<No.200 6.4
Atterberg (D 4318): LL NV PI NP	
NM (D 2216) Sp.G. (D 854) 2.45	
USCS (D 2487) GW-GM	
AASHTO (M 145) A-1-a	
Date: Sampled 4-15-2022	Received 4-15-2022
Tested 4-29-2022	Tested By KP

**COMPACTION TESTING DATA**  
AASHTO T 180-10 Method D Modified

	1	2	3	4	5	6
WM + WS	10612.0	10787.0	10838.0	10849.0		
WM	6504.0	6504.0	6504.0	6504.0		
WW + T #1	597.2	651.4	767.4	660.1		
WD + T #1	571.1	617.8	717.7	601.2		
TARE #1	160.6	227.2	229.0	157.6		
WW + T #2						
WD + T #2						
TARE #2						
MOIST.	6.4	8.6	10.2	13.3		
DRY DENS.	113.5	115.9	115.6	112.8		

**SIEVE TEST RESULTS**  
AASHTO T27 AASHTO T11

Opening Size	% Passing	Specs.
1"	100	100
3/4"	100	95 - 100
3/8"	63	
#4	40	30 - 65
#8	31	25 - 55
#16	24	
#30	18	
#50	13	
#100	9	
#200	6.4	3.0 - 12

**TEST RESULTS**

Maximum dry density = 116.0 pcf

Optimum moisture = 9.1 %

Project No. 22-1-332 Client:

Project: Colorado Aggregate Recycling

Location: Golden Stockpile Sample Number: 2000

**Kumar & Associates, Inc.**

Denver, Colorado

**Material Description**

Recycled Concrete/ Class 6 ABC/ well-graded gravel with silt and sand

**Remarks:**

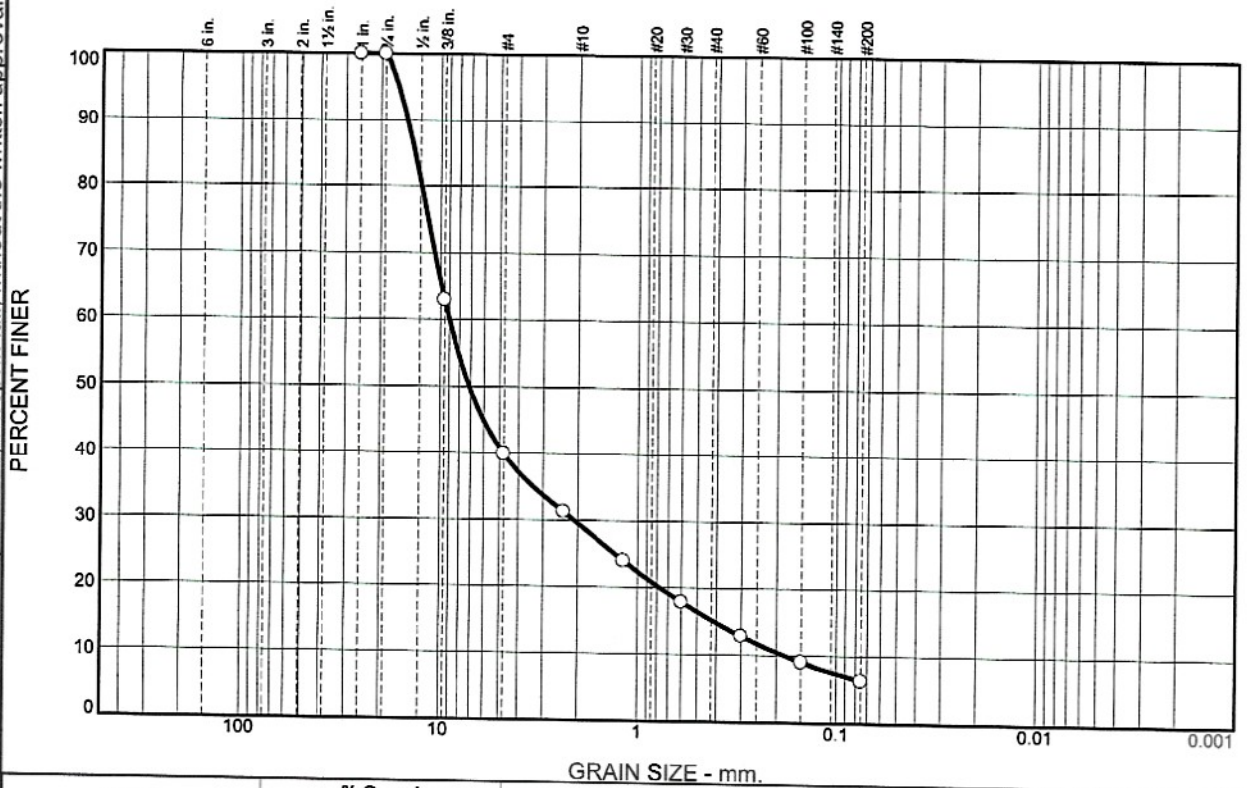
Checked by: DS

Title: Lab Manager

Figure

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# Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0	0	60	10	15	9	6	0

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
1"	100	100	
3/4"	100	95 - 100	
3/8"	63		
#4	40	30 - 65	
#8	31	25 - 55	
#16	24		
#30	18		
#50	13		
#100	9		
#200	6.4	3.0 - 12	

**Material Description**  
 Recycled Concrete/ Class 6 ABC/ well-graded gravel with silt and sand

**Atterberg Limits**  
 PL= NP      LL= NV      PI= NP

**Classification**  
 USCS= GW-GM      AASHTO= A-1-a

**Remarks**

\* AASHTO M 147 Class 6 ABC

Location: Golden Stockpile  
 Sample Number: 2000

Date: 4-15-2022

<b>Kumar &amp; Associates, Inc.</b>  <b>Denver, Colorado</b>	Client: Project: Colorado Aggregate Recycling  Project No: 22-1-332
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Tested By: KP      Checked By: DS

Figure