Colorado Department of Transportation					Contract ID	,	Region		
	Sieve A	nalysis for Agg	regates CP31		Project Number:				
Atterberg Limits T89 and T90					Project Location:				
Material Description:					Pit:				
Prime Contractor:					Item: Do not use this form for Item 203 - Soils or Item 206 - Structure				
Sample ID SMM:			Lab Ref Number SMM:		Class:	Test No:	Test Date:	: #4 - CP 21	
Gradation Specimen			Washed Dry	1	Consulta la Consulta la				
Dr	y Weight (SDW):	ļ!	Weight (WDW):	ļ!	Sample Information				
Sieve	Weight	Percent Retained	Percent Passing	Specs	1	Sampled From:	:		
6"	ļ/		 			Supplier Ticket No:	:		
4"	ļļ		!	!	Time Sampled:				
3"					Station:				
2½"					Lane:		:		
2"					Quantity Sample Represents:				
1½"					Sampling witnessed by:				
1"		!			l	Sample Tested By:	:		
3⁄4"					Sample % Moisture and Dry Weight				
1⁄2"						Pan ID:	:		
³ ∕8"					l	Pan Weight (g):	:	A	
⁵ / ₁₆ "					Pan & Sampl	e - Wet Weight (g):	:	В	
1⁄4"]		Pan & Samp	le - Dry Weight (g):	:	С	
#4					Sampl	e - Wet Weight (g):	:	D=(B-A)	
#8					Sample - Dry Weight (g):		:	E=(C-A)	
#16					Moisture Loss (g):		:	F=(D-E)	
#30					Moistu	Moisture Content (MC) %: G=(F/E) x		G=(F/E) x 100	
#50					Spe	cimen Dry Weight:	:	E	
#100					If gradation	sample and moistu	ure sample are the s	ame sample,	
#200					use the dr	y weight (SDW) in t	the sieve analysis ca	Iculations.	
- #200	- #200 (V		(WDW - TSW) ÷ WDW x 100 = % Diff (Spec: ≤ 0.3%)			Gradation Remarks:			
Total Sieved				400 %					
WT (TSW):		(<u></u>	•) ÷ x100						
<u> </u>	Wet Weight ÷ (100 + MC %) x 100 = Specimen Dry Weight					If a split moisture sample is used to determine dry mass of gradation sample, use calculation to determine dry weight.			
Wet WT.	<u>_</u>	_÷ (100 +) x 100 =	SDW	Place IA Stamp Here:				
Atterb	erg Limits:	Liquid Limit T89	Plastic Limit T90	4					
	Tin ID:	 	ļ						
Mass of Tin:			ļ!	4					
Mass	of Tin + Wet Soil:		ļ!	 					
Mass	of Tin + Dry Soil:		ļ!	Number of Blows	Multiplier	IA Sample ID:	1		
Moi	isture Content %:			22	0.9850	Electron	ic Signature of IA Perso	nnel	
N	lumber of Blows:			23	0.9900	1			
Plasticity Inde		ex	Specifications	24	0.9950				
Liquid Limit %:				25	1.0000	Sample Remarks:			
	Plastic Limit %:			26	1.0050				
Plasticity Index:				27	1.0090				
LL % = Moisture Content @ number of blows X multi			X multiplier	28	1.0140				

Previous editions are obsolete and may not be used.