



Pneumatic Roller

















Exampl	e
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SAND CONE CALIB	RATION		
1. INITIAL WEIGHT OF APPARATUS + SAND		g	12,530
2. FINAL WEIGHT OF APPARATUS + SAND		g	10,931
3. WEIGHT OF SAND IN PLATE AND CONE	2 – 1	g	

Exam	ble		
VOLUME OF HOLE DE	TERMINATION	1	
4. INITIAL WEIGHT OF APPARATUS + SAND		g	10,931
5. FINAL WEIGHT OF APPARATUS + SAND		g	6,608
6. WEIGHT OF SAND RELEASED	5 – 4	g	
7. WEIGHT OF SAND IN HOLE	6 – 3	g	
8. WEIGHT OF SAND IN HOLE	7 ÷ 453.6	lb	
9. UNIT WEIGHT OF SAND		lb/ft ³	94.9
10. VOLUME OF THE HOLE	8 ÷ 9	ft ³	

Example	ļ
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WATER CONTENT DETE	RMINATION		
11. WEIGHT OF WET SOIL + TARE		g	2176
12. WEIGHT OF DRY SOIL + TARE		g	1875
13. WEIGHT OF WATER	12 – 11	g	
14. WEIGHT OF TARE		g	158
15. WEIGHT OF DRY SOIL	12 – 14	g	
16. WATER CONTENT	13 ÷ 15		

Exa	mple		
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UNIT WEIGHT [DETERMINATION		
17. WEIGHT OF WET SOIL + TARE		g	3627
18. WEIGHT OF TARE		g	158
19. WEIGHT OF WET SOIL	17 – 18	g	
20. WEIGHT OF WET SOIL	19 ÷ 453.6	lb	
21. WET UNIT WEIGHT	20 ÷ 10	lb/ft ³	
22. DRY UNIT WEIGHT	21 ÷ (1 + 16)	lb/ft ³	









