Grain Size Analysis–Hydrometer Datasheet

1. Project			2. Date
2. Sample ID		3. Researcher:	
		4. Hydrometer Number/Type	
Sample Preparation			
5. Pre-Treatment	☐ HCl	☐ H2O2	☐ Fe-O
6. Beaker ID	7. Dispersing Agent	8. Specific Gravity of Particles $GS_p =$	9. Desired Samp ☐ 50 g ☐ 100 g
11. Total Soil for Split (g)		10. Soil Passing Sieve No. 10 (g)	
12. Tin #:	13. Tin Tare Weight	14. Tin w/Air-Dried Soil	15. Tin w/C Soil
Calculated Values			
16. % Passing No. 10	17. % Hygroscopic Correction Factor	18. Effective Soil Weight WS_e	19. Actual Air-I Soil Weight W

Hydrometer Readings and Calculations *K is a constant that is calculated by the temperature and density of the suspension.

No. 200 Sieve **Quality Control/Quality Assurance**

19. Time	20. Elapsed Time (t) sec/min	21. Actual Hydrometer Reading (R_a)	22. Blank Hydrometer Reading (R_b)	23. Temp. °C	24. K constant*	25. Effective Depth (L)	26. Particle Diameter (D_e)	27. PF Partial

Tin	Tin Mass	Wet Soil >200 Mess	Dry Soil

29. Researcher (Signature)	30. Computed By (Signature)	31. Checked By (Signature)