

Table 6 - Hydrometer Calibration

Type	INPUT	Number	INPUT
Specific Gravity	2.713673755	Height of Bulb, cm.	14.4
$c_m$		$0.0002 c_d$	$0.0018$
	2.7	@	1.03
	5.3	@	1.02
H (distance @ calibration mark)	7.8	@	1.01
	10.6	@	1
	9.9	@	1.03
$H'_r$	12.5	@	1.02
	15	@	1.01
	17.8	@	1
	8.68	@	1.03
$H_r$	11.28	@	1.02
	13.78	@	1.01
	16.58	@	1
Volume, cc.	68		
Area, cm <sup>2</sup>	27.78		
D'ag't	INPUT		
Date	Elapsed Time (sec)	Time	Temp °C
	2/14/2023	30	15:07
	2/14/2023	60	15:08
	2/14/2023	120	15:09
	2/14/2023	240	15:11
	2/14/2023	480	15:15
	2/14/2023	900	15:23
	2/14/2023	1800	15:38
	2/14/2023	3600	16:08
	2/14/2023	7200	17:08
	44971	14400 -	-
	2/15/2023	86400 -	25
	2/16/2023	172800 -	26
	2/21/2023	604800	14:10
INPUT	INPUT	INPUT	INPUT
$R'_H$	$R''_H = R'_H + c_m$	D (mm)	$R_H = R''_H +/- c_d$
	1.013	1.0132	0.06927113
	1.01	1.0102	0.050314693
	1.009	1.0092	0.035886461
	1.0085	1.0087	0.02461142
	1.008	1.0082	0.017589043
	1.008	1.0082	0.012845221
	1.0075	1.0077	0.00901386
	1.007	1.0072	0.006402531
	1.007	1.0072	0.004527273
-	#VALUE!	#N/A	#VALUE!
	1.005	1.0052	0.001314359
	1.004	1.0042	0.000926525
	1.0045	1.0047	0.000504918
INPUT	#VALUE!	#N/A	#VALUE!
	% Finer	of Whole	
of No. 10	26.69178333	13.27550114	
	20.05268047	9.973458096	
	17.83964619	8.872777081	
	16.47817884	8.195633815	
	15.11671149	7.51849055	
	15.11671149	7.51849055	
	14.52009476	7.221755557	
	13.41357762	6.67141505	
	13.41357762	6.67141505	
#VALUE!	#VALUE!	#VALUE!	
	9.519579041	4.734684861	
	7.882953914	3.920688341	
	7.880991906	3.919712511	
#VALUE!	#VALUE!	#VALUE!	