

Toledo Mudlogging Calcite & Dolomite Percentage Calculator

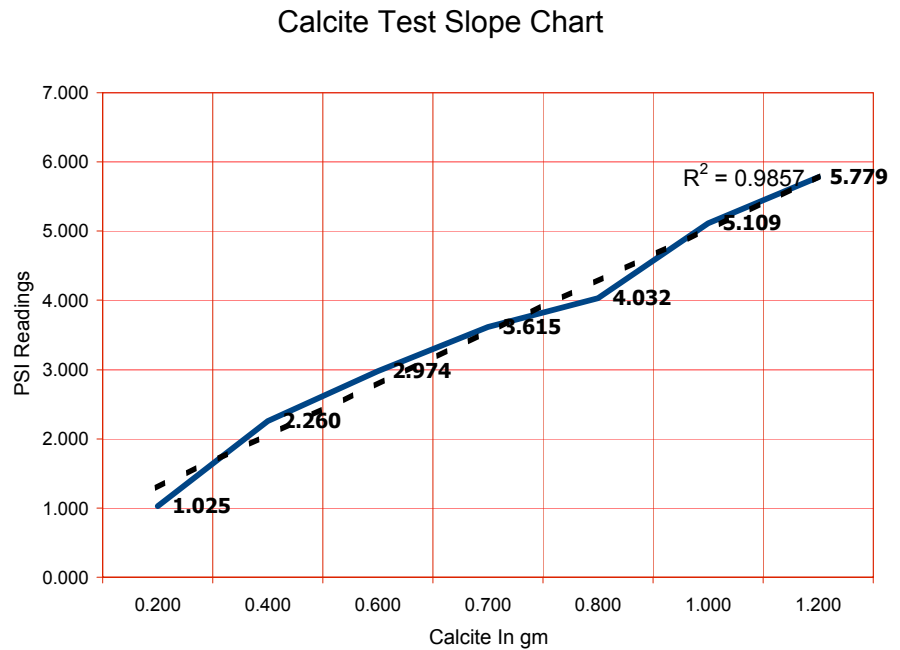
Use calcite test powder to build slope.

Record Max PSI reading for each sample weight and enter data.

Test with 0.2gm, 0.4gm, 0.6gm, 0.7gm, 0.8gm, 1.0gm, 1.2gm to build slope chart.



Test Samples	PSI Reading	Sample Wt. (gm)	Amount 10% HCL
Sample 1 (0.2gm)	1.025	0.200	10 ML
Sample 2 (0.4gm)	2.260	0.400	10 ML
Sample 3 (0.6gm)	2.974	0.600	10 ML
Sample 4 (0.7gm)	3.615	0.700	10 ML
Sample 5 (0.8gm)	4.032	0.800	20 ML
Sample 6 (1.0gm)	5.109	1.000	20 ML
Sample 7 (1.2gm)	5.779	1.200	20 ML
CaCO3 Calcite Slope Cell Factor	19.520	5.125	Sample 1 Slope
Dolomite Slope Cell Factor	17.958	5.650	Sample 2 Slope
Slope = $\frac{\text{Pressure}}{\text{Weight}}$	5.109	4.957	Sample 3 Slope
Sample Weight & Slope		5.164	Sample 4 Slope
Sample Weight Grams (gm)	1.00	5.040	Sample 5 Slope
Current Charts Slope	5.123	5.109	Sample 6 Slope
Average Slope Of Each Test Weight	5.123	4.816	Sample 7 Slope



Enter Calcite (CaCO3) max reading within .5 to 5 min of sample exposure to acid.

Enter Max Dolomite Reading in 30 to 45 minutes of exposure to acid only if pressure begins to slowly rise after CaCO3 peak.

Do not enter a Dolomite PSI reading lower than the CaCO3 reading in Dolomite column, to have Dolomite present in the sample

the pressure must slowly rise after the CaCO3 reading and must be greater than the maximum CaCO3 pressure reading.

If you run a new calibration you must do a Save As and date this file with the date of the new calibration, remove existing sample data, start

entering all new samples processed after the new calibration on the new spreadsheet you created.

Sample Depth	CaCO3 Calcite PSI	Max Dolomite PSI	Calcite In Percent (CaCO3)	Dolomite In Percent	Toledo Mudlogging, Inc Box 1209	PH: 318-590-9755 Many, LA 71449	FAX: 318-590-9754 www.toledomudlogging.com	P.O.
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1910	1.263	2.860	24.654	28.679
1940	0.000	0.000	0.000	0.000
1970	0.000	0.000	0.000	0.000
2000	0.000	0.000	0.000	0.000
2030	0.000	0.000	0.000	0.000
2060	0.000	0.000	0.000	0.000
2090	0.000	0.000	0.000	0.000
2120	0.000	0.000	0.000	0.000
2150	0.000	0.000	0.000	0.000
2180	0.000	0.000	0.000	0.000
2210	0.000	0.000	0.000	0.000
2240	0.000	0.000	0.000	0.000
2270	0.000	0.000	0.000	0.000
2300	0.000	0.000	0.000	0.000
2330	0.000	0.000	0.000	0.000
2360	0.000	0.000	0.000	0.000
2390	0.000	0.000	0.000	0.000
2420	0.000	0.000	0.000	0.000
2450	0.000	0.000	0.000	0.000
2480	0.000	0.000	0.000	0.000
2510	0.000	0.000	0.000	0.000
2540	0.000	0.000	0.000	0.000
2570	0.000	0.000	0.000	0.000
2600	0.000	0.000	0.000	0.000

To enter your sample depths enter the first 2 sample depths, then highlight both cells the first 2 depths are in, point to the black square in the bottom right corner of the highlighted cells click and hold when plus sign appears on black square drag down the column, the depths will be inserted by the interval amount between the first 2 depths filling in the column for you. If you need to change the interval to 10' enter first 2 depths in the depth column and follow the steps above to fill in 10' sample depths.