#### PROCEDURE:

- Take 3 can. Record mass of can & led no. Determine its empty weight & record it clean dry can & lid
- Dig up a whole up to 1' from where you have to test the soil sample & take soil sample in can & weight it.
- Then dig the whole to more depth up to 2'.take soil sample in 2<sup>nd</sup> can & record its weight.
- · Then dig the whole up to 3" take sample and weight it.
- Then place the sample in oven & set the oven temperature & leave for 24 hours
- · Remove the can carefully replace the lid &allow it to cool to room temperature
- · Determine and record the mass of can

#### DATA ANALYSIS:

W<sub>1</sub>= weight of can with lid W<sub>2</sub>= weight of moist soil +lid W<sub>3</sub>= weight of dried soiled + can

Determination of mass of soil mass  $\Rightarrow$  M  $_{mol} = w_3 \cdot w_1$ Determination of mass of water  $\Rightarrow$  W  $_{w} = w_2 \cdot w_3$ 

Moisture content:  $\Rightarrow$  M/c = W<sub>w</sub> / W<sub>s</sub> x 100

#### OBSERVATION & CALCULATIONS:

#### TABLE:1

Group #.	Depth (ft.)	Cane #.	WI (Wt. of cane)	W2 (Wt. of came + wt. of wet soil)	W3 (Wt. of cane + dry soil)	Moisture Content W (%age)
01	1,	0.9	37.6g.	151.6469g	146.6239g	4.61
	2'	10	37.2g	142.7274g	137.3872g	5.33
	3*	11	32.6g	149.5303g	135.3463g	13.8
02	1,	01	33,7g	115.803g	111.3293g	5.76
	2'	03	36.1g	125.278g	120,4061g	5.78
	3.	0.5	38.0g	151.022g	139.0246g	11.88
03	T.	04	33.9g	128.087g	122.8321g	5.91
	2'	07	33.7g	122.1699g	115.3627g	8,34
	3.	08	37.5g	128.4710g	119.437g	11.03

#### COMMENTS:

# **Solid Mechanics Lab Manual**

**Guillaume Favre** 



Unveiling the Energy of Verbal Beauty: An Psychological Sojourn through Solid Mechanics Lab Manual

In a global inundated with monitors and the cacophony of immediate connection, the profound energy and psychological resonance of verbal artistry often diminish in to obscurity, eclipsed by the regular barrage of sound and distractions. However, situated within the musical pages of **Solid Mechanics Lab Manual**, a fascinating work of fictional elegance that impulses with natural thoughts, lies an unique journey waiting to be embarked upon. Composed by way of a virtuoso wordsmith, this interesting opus courses visitors on a mental odyssey, lightly exposing the latent potential and profound affect stuck within the complicated web of language. Within the heart-wrenching expanse of the evocative analysis, we will embark upon an introspective exploration of the book is central subjects, dissect its captivating writing style, and immerse ourselves in the indelible effect it leaves upon the depths of readers souls.

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