|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| DOTLOGO2 | | | | | | | | | | | **Specific Gravity Worksheet** | | | | | | |
|  | | | | | | | | | | | | | | | | | |
| **Specific Gravity** | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | |
| Route: |  | | | | Section: | | |  | | | | | County: | | |  | |
|  | | | | | | | | | | | | | | | | | |
| Lab No.: | |  | | | Sample No: | | | | |  | | | Date: | |  | | |
|  | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | |
| a. | | | | | | | | |  | | | Wt. of Flask & Stopper with Oven Dry Soil. | | | | | |
|  | | | | | | | | |  | | |  | | | | | |
| b. | | | | | | | | |  | | | Wt. of Flask & Stopper. | | | | | |
|  | | | | | | | | |  | | |  | | | | | |
| c. | | | | | | | | |  | | | (a – b) Wt. of Oven-Dry Soil. | | | | | |
|  | | | | | | | | | | | | | | | | | |
| Flask No.: No.: | | |  | | | d. | | |  | | | Wt. of De-aired Soil and Water in Flask & | | | | | |
| Stopper at | | | | | | | | | | | | | |  | | | ˚C. |
|  | | | | | | | | | | | | | | | | | |
| e. | | | | | | | | |  | | | Wt. of Water in Flask & Stopper at Same | | | | | |
| Temperature as (d) – graph. | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | |
| f. | | | | | | | | |  | | | (d – e). | | | | | |
|  | | | | | | | | | | | | | | | | | |
| Specific Gravity: | | | |  | | g. | | |  | | | (c – f). | | | | | |
|  | | | | | | | | | | | | | | | | | |
| h. | | | | | | | | |  | | | c ÷ g = Specific Gravity. | | | | | |
|  | | | | | | | | | | | | | | | | | |
| i. | | | | | | | | |  | | | h (Correction Factor) to bring to 68˚ F (20˚ C). | | | | | |
|  | | | | | | | | | | | | | | | | | |
| j. | | | | | | | | |  | | | h (Correction Factor) to bring to 25˚ C. | | | | | |
|  | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | |
| **Specific Gravity** | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | |
| Route: |  | | | | Section: | | |  | | | | | County: | | |  | |
|  | | | | | | | | | | | | | | | | | |
| Lab No.: | |  | | | Sample No.: | | | | |  | | | Date: | |  | | |
|  | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | |
| a. | | | | | | | | |  | | | Wt. of Flask & Stopper with Oven Dry Soil. | | | | | |
|  | | | | | | | | | | | | | | | | | |
| b. | | | | | | | | |  | | | Wt. of Flask & Stopper. | | | | | |
|  | | | | | | | | | | | | | | | | | |
| c. | | | | | | | | |  | | | (a – b) Wt. of Oven-Dry Soil. | | | | | |
|  | | | | | | | | | | | | | | | | | |
| Flask No.: | | |  | | | | d. | |  | | | Wt. of De-aired Soil and Water in Flask & | | | | | |
| Stopper at | | | | | | | | | | | | | |  | | | ˚C. |
|  | | | | | | | | | | | | | | | | | |
| e. | | | | | | | | |  | | | Wt. of Water in Flask & Stopper at Same | | | | | |
| Temperature as (d) – graph. | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | |
| f. | | | | | | | | |  | | | (d – e). | | | | | |
|  | | | | | | | | | | | | | | | | | |
| Specific Gravity: | | | |  | | | g. | |  | | | (c – f). | | | | | |
|  | | | | | | | | | | | | | | | | | |
| h. | | | | | | | | |  | | | c ÷ g = Specific Gravity. | | | | | |
|  | | | | | | | | | | | | | | | | | |
| i. | | | | | | | | |  | | | h (Correction Factor) to bring to 68˚ F (20˚ C). | | | | | |
|  | | | | | | | | | | | | | | | | | |
| j. | | | | | | | | |  | | | h (Correction Factor) to bring to 25˚ C. | | | | | |
|  | | | | | | | | | | | | | | | | | |