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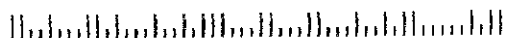
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WHITE RIVER ID 83754

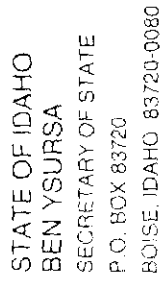
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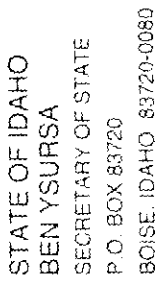


SECRET

111

EC: 887200000
*2888-02888-22-32

1. *Chlorophyll a* (Chl a) content was determined using a spectrophotometer (Shimadzu UV-1601) at 663 nm. The concentration of Chl a was calculated using the following equation: $\text{Chl a (mg/L)} = 12.7 \times \text{Absorbance at 663 nm}$.
 2. *Chlorophyll b* (Chl b) content was determined using a spectrophotometer (Shimadzu UV-1601) at 645 nm. The concentration of Chl b was calculated using the following equation: $\text{Chl b (mg/L)} = 22.9 \times \text{Absorbance at 645 nm}$.
 3. *Total Chlorophyll* (Chl a + Chl b) content was determined using a spectrophotometer (Shimadzu UV-1601) at 663 nm and 645 nm. The concentration of total chlorophyll was calculated using the following equation: $\text{Total Chlorophyll (mg/L)} = \text{Chl a (mg/L)} + \text{Chl b (mg/L)}$.
 4. *Carotenoid* content was determined using a spectrophotometer (Shimadzu UV-1601) at 440 nm. The concentration of carotenoid was calculated using the following equation: $\text{Carotenoid (mg/L)} = 24.4 \times \text{Absorbance at 440 nm}$.
 5. *Protein* content was determined using a protein assay kit (Bio-Rad) according to the manufacturer's instructions. The concentration of protein was calculated using the following equation: $\text{Protein (mg/L)} = \text{Protein concentration (mg/mL)} \times \text{Volume (L)}$.
 6. *Glucose* content was determined using a glucose assay kit (Bio-Rad) according to the manufacturer's instructions. The concentration of glucose was calculated using the following equation: $\text{Glucose (mg/L)} = \text{Glucose concentration (mg/mL)} \times \text{Volume (L)}$.
 7. *Starch* content was determined using a starch assay kit (Bio-Rad) according to the manufacturer's instructions. The concentration of starch was calculated using the following equation: $\text{Starch (mg/L)} = \text{Starch concentration (mg/mL)} \times \text{Volume (L)}$.
 8. *Cellulose* content was determined using a cellulose assay kit (Bio-Rad) according to the manufacturer's instructions. The concentration of cellulose was calculated using the following equation: $\text{Cellulose (mg/L)} = \text{Cellulose concentration (mg/mL)} \times \text{Volume (L)}$.
 9. *Lignin* content was determined using a lignin assay kit (Bio-Rad) according to the manufacturer's instructions. The concentration of lignin was calculated using the following equation: $\text{Lignin (mg/L)} = \text{Lignin concentration (mg/mL)} \times \text{Volume (L)}$.
 10. *Phenolic compounds* content was determined using a phenolic compounds assay kit (Bio-Rad) according to the manufacturer's instructions. The concentration of phenolic compounds was calculated using the following equation: $\text{Phenolic compounds (mg/L)} = \text{Phenolic compounds concentration (mg/mL)} \times \text{Volume (L)}$.
 11. *Flavonoid* content was determined using a flavonoid assay kit (Bio-Rad) according to the manufacturer's instructions. The concentration of flavonoid was calculated using the following equation: $\text{Flavonoid (mg/L)} = \text{Flavonoid concentration (mg/mL)} \times \text{Volume (L)}$.
 12. *Anthocyanin* content was determined using an anthocyanin assay kit (Bio-Rad) according to the manufacturer's instructions. The concentration of anthocyanin was calculated using the following equation: $\text{Anthocyanin (mg/L)} = \text{Anthocyanin concentration (mg/mL)} \times \text{Volume (L)}$.
 13. *Hydrolyzable tannin* content was determined using a hydrolyzable tannin assay kit (Bio-Rad) according to the manufacturer's instructions. The concentration of hydrolyzable tannin was calculated using the following equation: $\text{Hydrolyzable tannin (mg/L)} = \text{Hydrolyzable tannin concentration (mg/mL)} \times \text{Volume (L)}$.
 14. *Condensed tannin* content was determined using a condensed tannin assay kit (Bio-Rad) according to the manufacturer's instructions. The concentration of condensed tannin was calculated using the following equation: $\text{Condensed tannin (mg/L)} = \text{Condensed tannin concentration (mg/mL)} \times \text{Volume (L)}$.
 15. *Organic acid* content was determined using an organic acid assay kit (Bio-Rad) according to the manufacturer's instructions. The concentration of organic acid was calculated using the following equation: $\text{Organic acid (mg/L)} = \text{Organic acid concentration (mg/mL)} \times \text{Volume (L)}$.
 16. *Alkaloid* content was determined using an alkaloid assay kit (Bio-Rad) according to the manufacturer's instructions. The concentration of alkaloid was calculated using the following equation: $\text{Alkaloid (mg/L)} = \text{Alkaloid concentration (mg/mL)} \times \text{Volume (L)}$.
 17. *Saponin* content was determined using a saponin assay kit (Bio-Rad) according to the manufacturer's instructions. The concentration of saponin was calculated using the following equation: $\text{Saponin (mg/L)} = \text{Saponin concentration (mg/mL)} \times \text{Volume (L)}$.
 18. *Terpene* content was determined using a terpene assay kit (Bio-Rad) according to the manufacturer's instructions. The concentration of terpene was calculated using the following equation: $\text{Terpene (mg/L)} = \text{Terpene concentration (mg/mL)} \times \text{Volume (L)}$.
 19. *Phenol* content was determined using a phenol assay kit (Bio-Rad) according to the manufacturer's instructions. The concentration of phenol was calculated using the following equation: $\text{Phenol (mg/L)} = \text{Phenol concentration (mg/mL)} \times \text{Volume (L)}$.
 20. *Carbonyl* content was determined using a carbonyl assay kit (Bio-Rad) according to the manufacturer's instructions. The concentration of carbonyl was calculated using the following equation: $\text{Carbonyl (mg/L)} = \text{Carbonyl concentration (mg/mL)} \times \text{Volume (L)}$.
 21. *Hydroxyl* content was determined using a hydroxyl assay kit (Bio-Rad) according to the manufacturer's instructions. The concentration of hydroxyl was calculated using the following equation: $\text{Hydroxyl (mg/L)} = \text{Hydroxyl concentration (mg/mL)} \times \text{Volume (L)}$.
 22. *Amide* content was determined using an amide assay kit (Bio-Rad) according to the manufacturer's instructions. The concentration of amide was calculated using the following equation: $\text{Amide (mg/L)} = \text{Amide concentration (mg/mL)} \times \text{Volume (L)}$.
 23. *Ester* content was determined using an ester assay kit (Bio-Rad) according to the manufacturer's instructions. The concentration of ester was calculated using the following equation: $\text{Ester (mg/L)} = \text{Ester concentration (mg/mL)} \times \text{Volume (L)}$.
 24. *Aldehyde* content was determined using an aldehyde assay kit (Bio-Rad) according to the manufacturer's instructions. The concentration of aldehyde was calculated using the following equation: $\text{Aldehyde (mg/L)} = \text{Aldehyde concentration (mg/mL)} \times \text{Volume (L)}$.
 25. *Ketone* content was determined using a ketone assay kit (Bio-Rad) according to the manufacturer's instructions. The concentration of ketone was calculated using the following equation: $\text{Ketone (mg/L)} = \text{Ketone concentration (mg/mL)} \times \text{Volume (L)}$.
 26. *Alcohol* content was determined using an alcohol assay kit (Bio-Rad) according to the manufacturer's instructions. The concentration of alcohol was calculated using the following equation: $\text{Alcohol (mg/L)} = \text{Alcohol concentration (mg/mL)} \times \text{Volume (L)}$.
 27. *Carboxylic acid* content was determined using a carboxylic acid assay kit (Bio-Rad) according to the manufacturer's instructions. The concentration of carboxylic acid was calculated using the following equation: $\text{Carboxylic acid (mg/L)} = \text{Carboxylic acid concentration (mg/mL)} \times \text{Volume (L)}$.
 28. *Amino acid* content was determined using an amino acid assay kit (Bio-Rad) according to the manufacturer's instructions. The concentration of amino acid was calculated using the following equation: $\text{Amino acid (mg/L)} = \text{Amino acid concentration (mg/mL)} \times \text{Volume (L)}$.
 29. *Nucleic acid* content was determined using a nucleic acid assay kit (Bio-Rad) according to the manufacturer's instructions. The concentration of nucleic acid was calculated using the following equation: $\text{Nucleic acid (mg/L)} = \text{Nucleic acid concentration (mg/mL)} \times \text{Volume (L)}$.
 30. *Protein* content was determined using a protein assay kit (Bio-Rad) according to the manufacturer's instructions. The concentration of protein was calculated using the following equation: $\text{Protein (mg/L)} = \text{Protein concentration (mg/mL)} \times \text{Volume (L)}$.



RETURN SERVICE REQUESTED

RACHEL ESQUIBEL
PO BOX 202
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