

**Analytical Methods for Analysis of fertilizers, Detergents , Water and Polymer,Paint and pigment**

<b>Item Text</b>	<b>Option Text 1</b>	<b>Option Text 2</b>	<b>Option Text 3</b>
Organic builders from soap and detergent sample determined from .....	Volatile	alcohol soluble material	alcohol insoluble material
Periodic acid reagent used for determination of .....	Combined SO <sub>3</sub>	Iodine value	free glycerol
Iodine Monochloride (Wijs) solution reagent used for determination of .....	Combined SO <sub>3</sub>	Iodine value	free glycerol
Number of milligrams of KOH required to complete hydrolyze one gram of oil or fat is .....	Iodine value	saponification value	alkalinity
Number of grams of Iodine that combine with 100gm of oil or fat called .....	Iodine value	saponification value	alkalinity
Which extracting solvent used in the determination of unsaponifiable matter from synthetic detergent?	Petroleum ether	Chloroform	carbon tetrachloride
Which extracting solvent used in the determination of total fatty acids from soap?	Ethyl ether	water	carbon tetrachloride
Soaps were originally made from .....	Proteins	chemical extracted from the soil	sodium hydroxide and alcohol
Determination of sodium Toluene sulfonate from synthetic detergent by UV spectroscopy measure absorbance at ..... nm.	350 and 450	220 and 240	400 and 300
Determination of sodium alkyl benzene sulfonate from synthetic detergent by UV spectrometry measure absorbance at .....mμ.	224 and 270	300 and 350	450 and 500

Percent "Real Soap" or Anhydrous Soap determined by from .....	Percent Fatty anhydride and percent combined	Percent Fatty anhydride	percent combined alkali
Free glycerol determined from soap sample by ..... method.	Iodometric periodic acid	Complexometric titration	acid base titration
Which of the following is Cationic detergent?	Sodium alkyl benzene sulfonate	Alkyl sulfate	Polyoxyethylene
Which indicators are used in the determination of alkalinity?	Methyl orange and phenolphthalein	KMnO <sub>4</sub>	crystal violet
Linear alkylate sulphonate (LAS) is ..... type of detergent	Cationic	anionic	non-ionic
To determine Urea nitrogen using Urease enzyme & analyze by titrimetric method .....indicator used.	Phenolphthalein	Crystal violet	Starch
Determination of K by using tetraphenyl borate method.....indicator used.	Titan yellow	Clayton yellow	Phenolphthalein
Phosphate fertilizer extracted with water then analyses it from water extract by alkali metric method is called as..... Phosphorous.	Available	non-available	Total
Phosphate fertilizer extracted with citrate solution then analyses it from citrate insoluble residue by alkali metric method is called as..... Phosphorous.	Available	non-available	Total
Phosphate fertilizer digested with HCl-HNO <sub>3</sub> & analyze it from by alkali metric method is called as..... Phosphorous.	Available	non-available	Total

t

Option Text 4
Special test
saponification value
saponification value
basicity
basicity
Benzene
benzene
animal fats and vegetable oils
375 and 450
375

percent total fatty acid
precipitation titration
Quaternary ammonium compounds
starch
molecular
Methylene red- methylene blue
methyl orange
partial available and partial non-available
partial available and partial non-available
partial available and partial non-available