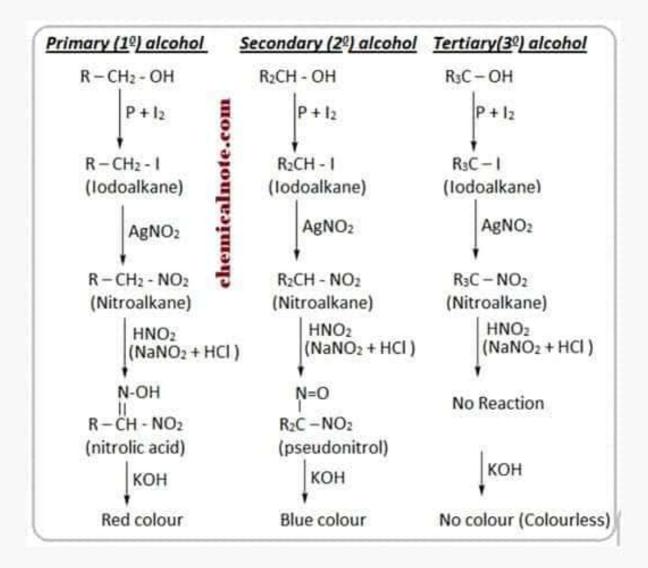
Victor Meyer's method to distinguish alcohols :

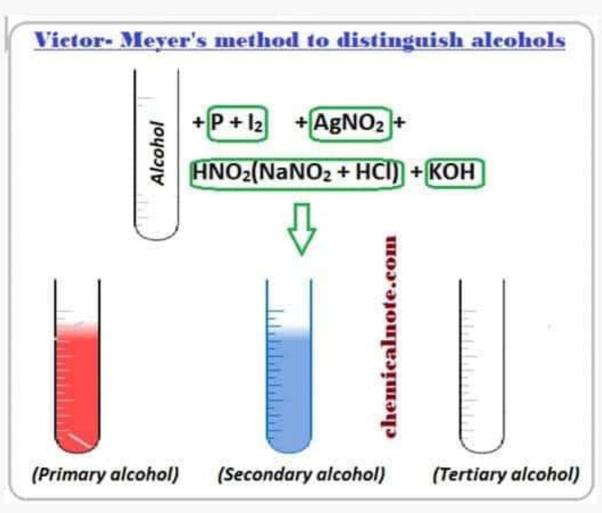
In Victor Meyer's method, alcohol is first treated with P and I₂ to get iodoalkane, which is then treated with AgNO₂ (silver nitrate) to get nitroalkane. The nitroalkane thus obtained is treated with nitrous acid (a mixture of NaNO₂ and dil. HCl) and the resulting solution is finally made alkaline with KOH and the colour is observed. If the colour obtained is:

Red Colour = Primary alcohol

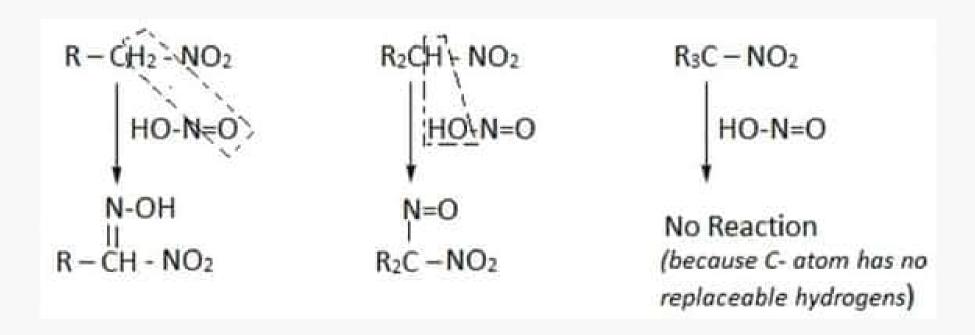
Blue Colour = Secondary alcohol

No colour = Tertiary alcohol.





Note: All the steps are easy to remember. The reaction pattern for third step i.e. reaction of nitroalkane with HNO_2 (HONO) is as follows:



Q. How would you distinguish ethanol and propan-2- ol using Victor Meyer's method?

→ Ethanol is a primary alcohol while propan-2-ol is a secondary alcohol.

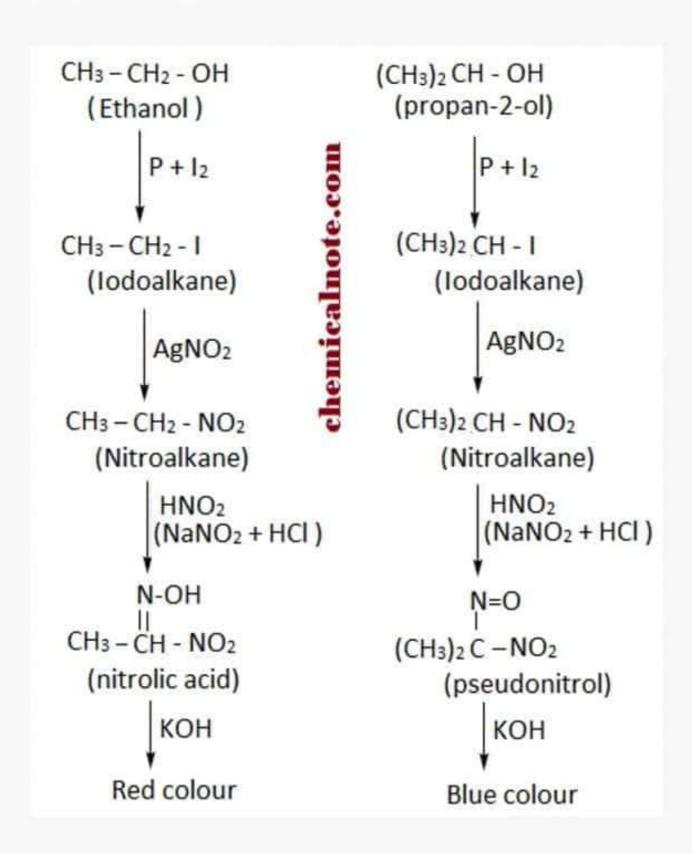
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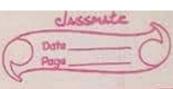
Red Colour = Primary alcohol

Blue Colour = Secondary alcohol

Hence, ethanol and propan-2-ol can be distinguished by observing colour in Victor-Meyer's method as ethanol gives red colour while propan-2-ol gives blue colour.

Hence, ethanol and propan-2-ol can be distinguished by observing colour in Victor-Meyer's method as ethanol gives red colour while propan-2-ol gives blue colour.





		Page
	-	tillation. It is because 3°-amine has low boiling point
	11	attention the mixtures
01	91	contains the solid mass (oxamide) and liquid mas
61	(0	ramic ester) where the alcohol is also separated by
	B	ramic ester) where the alcohol is also separated by actional distillation. The mixture is separated by filtration
	111111111111111111111111111111111111111	In Comenant P 100011011
3	I	The solid and liquid mass are separately heated with kottog; v Naottge, then Jo & 2°-amines are separated.
-	3	v NaOHage then 1° & 2 - amines are separated.
_(9	Ŋ	CO-N-R +2 KOH (99) D COOK + 2R-NH2 CO-N-R pot. oxalate J-amine
		CO - N-R COOK Jo-amine
		oxamide
70	0	R ally - dig - 117 - Miller - CHIPLE 117 - 197
	b)	CO-N-R + 2 KOH(aq) - A COOK + R-NH-R + C2H5OH
		COVICATE
		oxamic ester put. oxalate
-		The ethanol impurity is separated by fractional distillation.
Ŧ		THE PARTY OF THE P
	1)	General methods for the proparation of amines:
	-16	at 100°C then the mixture of J°, 2°, 3°& H° amines are
-	-	at 100°C then the mixture of Jo 2°, 3° & Ho amines are
25	200	
U		11 1 1 h R - NH2 - R-NH-R-
		The state of the s
	-	[24N+702020 +R-X R2N 0 2000 10 200 200 200 200 200 200 200 20