



# PARACETAMOL FORMULATION

**Principle:** Elixirs are clear, flavoured hydroalcoholic prepa-medicament, pleasantly flavoured usually attractively coloured ration intended for oral use. They contain one or more containing high proportion of alcohol or sucrose along with some suitable antimicrobial agent. The alcoholic content in elixir vary from 5-40%. In general they are more stable than mixture as sufficient alcohol is added to maintain the drug in the solution.

## Elixirs are of two types

**1. Non-medicated elixirs:** They are used purely as diluting agents or solvents for drugs containing approximately 25% alcohol e.g. Simple elixirs is alcoholic elixirs or low alcohol elixirs (containing 7-10% alcohol) High alcoholic elixirs (containing 60-75% alcohol)

**2. Medicated elixirs:** Elixirs containing therapeutically active compounds are known as medicated elixirs e.g. Phenobarbital elixirs U S P, Dexamethasone elixirs USP Chlorpheniramine maleate elixirs.

## Observation table:

INGREDIENTS	OFFICIAL QTY	REQUIRED QTY
Paracetamol	24ml	2.4 ml
Ethanol(96%)	100 ml	10 ml
Propylene glycol	100 ml	10ml
Concentrated raspberry juice	25 ml	2ml
Chloroform spirit	20 ml	2 ml
Invert sugar	275 ml	27.5 ml
Amarnath solution	2 ml	0.2 ml



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<b>Glycerine</b>	1000ml(qs)	100 ml(qs)
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## Procedure:

1. Mix ethanol (96%), propylene glycol and chloroform spirit and make a mixture.
2. Dissolve paracetamol and shake it, add other additives.
3. Finally sufficient amount of glycerin to produce 1000 ml.

**category:** Antipyretic.

**Storage:** Preserve in a well closed container, protect from light

**Uses:** Analgesic and Antipyretic, used to bring down the elevated temperature.