

Suspension Problems And Remedies

Problem Cause Remedies

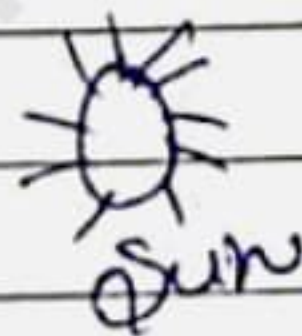
— Capping $\Rightarrow$ Here dispersed particle crystallised on the thread of bottle cap (Therefore with cap removals)

$\Rightarrow$ Suitable vehicle Glycerol, Glucose, Sorbit used to overcome this problem.

[DEPTH OF BIOLOGY]

— Colour Change $\Rightarrow$ Light sensitive preparation

$\Rightarrow$ should be kept in dark to avoid change in colour



Colour change surface Area ($\uparrow$)

[DEPTH OF BIOLOGY]

— Crystal Growth $\Rightarrow$ During storage of suspension

$\Rightarrow$ Avoid Temperature fluctuation

[DEPTH OF BIOLOGY]

$\Downarrow$
Crystal growth occurs

Problem

Cause

Remedies

[Change in
pH & low
solubility]

⇒ Adjusting the
pH of Solubility
of particle.

[Impurity
अशुद्धता]

[DEPTH OF BIOLOGY]

⇒ Temperature
Fluctuation

— Change in
Flavour

⇒ During Long
Term Storage
agent is volatile
change in
flavour because
flavouring

⇒ Add sufficient
quantity of
flavouring
agent

[DEPTH OF BIOLOGY]

— Change in
viscosity ⇒ Long term =
viscosity
Alter.

⇒ Suitable
viscosity,
Impurity agent

— Caking ⇒ Solid
Medicament
not redispersed
(deflocculated
particles / suspension)

Modify
Particle
Size

[DEPTH OF BIOLOGY]