



TOOTH PASTE FORMULATION

Principle Paste is a semisolid preparation used for cleaning and polishing the teeth. Dicalcium phosphate is used as an abbrasive agent. SLS is used as a foaming agent . Glycerin & PEG is used as humectant. Gum tragacanth is used as binding agent.¹

REQUIREMENTS

Apparatus: Beaker (100ml),

Glass rod,

Weighing balance,

Pipette.

Chemicals: Dicalcium phosphate,

Sodium lauryl sulphate,

PEG,

Glycerin,

Sodium saccharin,

Gum tragacanth,

Peppermint oil

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PROCEDURE

Mix gum tragacanth and humectant with water. Add dicalcium phosphate to the above mixture. Slowly flavour and SLS were added with gently stirring. The product is known as tooth paste. Then the product is packed, labelled and submitted.

OBSERVATION TABLE :-

INGREDIENTS	REQUIRED QTY % W/W
Dicalcium Phosphate	45gm
Glycerin	30gm
Sodium lauryl Sulphate	1.2 gm
PEG	5.9 gm
Sodium Saccharin	0.5 gm
Gum Tragacanth	2gm
Peppermint Oil	Q.S
Water	100 ML