

Benzoic Acid and Salicylic Acid Ointment Process

Learn about the detailed manufacturing process of Benzoic Acid and Salicylic Acid ointment, including formulation steps, ingredients and preparation techniques to ensure effective treatment of skin infections and fungal conditions.

Product Name: Benzoic acid and Salicylic acid Ointment

(Each 100 g contains Benzoic acid BP 6.00 g + Salicylic acid BP 3.00 g)

Concentration: Benzoic acid 6% and Salicylic acid 3%

Dosage Form: Ointment

Pack Size: 20 g

Batch Size (Kg): 200.00 kg

Batch Size (Quantity): 10,000 pcs

MASTER FORMULATION

Item No.	Name of Raw Materials	Specification	Unit	Theoretical Amount/ Batch
1.	Benzoic Acid	BP	Kg	12.000
2.	Salicylic Acid	BP	Kg	6.000
3.	White Soft Paraffin	BP	Kg	55.200
4.	White Bee's Wax	BP	Kg	16.000
5.	Coconut Oil	BP	Kg	110.800
				Total = 200.000 kg

PRIMARY PROCESSING METHOD

A. Melting and Mixing of Coconut Oil and White soft paraffin Materials:

1. Weigh and take the following materials one after another into charge vat. Then heat the materials for

(15-20) minutes at (40-55) °C temperature.

Name of the item	Quantity (Kg)	Note
Coconut Oil		
White Soft Paraffin		

Date	Temperature	Start time	Finish time	Performed By	Checked By

B. Melting and Mixing of Benzoic acid and Salicylic acid:

2. Add the previously crushed Benzoic acid at (120-125) °C temperature into charge vat with stirring and mix all materials properly for (15-20) minutes.

Date	Temperature	Start time	Finish time	Performed By	Checked By

3. Then add previously crushed Salicylic acid at (120-125) °C temperature into charge vat with stirring and mix

all materials properly for (15-20) minutes.

RM	Quantity (Kg)	Note
Benzoic Acid		
Salicylic Acid		

Date	Temperature	Start time	Finish time	Performed By	Checked By

C. Melting of White Bee's Wax:

4. Take the following materials at (60-65) °C temperature into another charge vat and melt properly for

(15-20) minutes.

RM	Quantity (Kg)	Note
White Bee's Wax		

Date	Temperature	Start time	Finish time	Performed By	Checked By

SECONDARY PROCESSING METHOD**D. Final Mixing:**

5. Transfer the step 3 and step 4 bulk volumes into the double jacket Balm and Ointment mixture machine

(planetary mixture). Finally mix the liquid for (10-15) minutes at controlled temperature (60-70) °C.

Date	Temperature	Start time	Finish time	Performed By	Checked By

6. Finally the mixed bulk volume is ready for filling and transfer the bulk products into the filling machine through the filter press machine with fixed double (mesh size # 15 and 0.5 mm) filter.

RECONCILIATION:

A	B	C	D	E	F
Theoretical Batch Weight	Actual Weight	QA + IPQC Sample	Rejects (A-B-C)	Reconciliation (99-101%) (B+C+D) 100/ A	Actual Yield (98-102%) (B+C) 100/ A
Kg.	Kg.	Kg.	Kg.	%	%
Calculated by			Verified by		