

TELEPHONE: 514-905-5096 FAX: 514-905-5097 technicalservices@medisca.net

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	Benzoyl Peroxide 5%, Clindamycin 1%, Salicylic Acid 5% Topical Lotion (Emulsion, 100 mL)	FIN	F 008 881
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SUGGESTED FORMULATION

Ingredient Listing	Qty.	Unit	NDC#	Supplier	Lot Number	Expiry Date
Hydrous Benzoyl Peroxide, USP	TBD					
Clindamycin Phosphate, USP	TBD					
Salicylic Acid, USP	5.000	g				
Sodium Metabisulfite, NF	0.10	g				
Propylene Glycol, USP	10.0	mL	(C)			
Medisca VersaPro TM Lotion Base	70.0	mL				
Medisca VersaPro TM Lotion Base	q.s. to 100.0	mL		-		

SPECIAL PREPARATORY CONSIDERATIONS

Ingredient-Specific Information	
Light Sensitive (protect from light whenever possible):	Hydrous Benzoyl Peroxide, Salicylic Acid, Propylene Glycol, Sodium Metabisulfite
Hygroscopic (protect from moisture whenever possible):	Clindamycin Phosphate, Propylene Glycol
Narrow Therapeutic Index	Clindamycin Phosphate
Shock Sensitive (handle with care)	Hydrous Benzoyl Peroxide
Explosive (Keep away from elevated temperature. Store at controlled room temperature)	Hydrous Benzoyl Peroxide
Flammable (Keep away from heat and flame)	Hydrous Benzoyl Peroxide
Air Sensitive (protect from air whenever possible):	Sodium Metabisulfite
Moisture Sensitive (protect from humidity whenever possible):	Sodium Metabisulfite



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SPEC

1 01111414	(Emuision, 100 mL)				
CIAL PRI	EPARATORY CONSIL	DERATIONS (CONTINUED)			
Suggested	Preparatory Guidelines				
	Non-Sterile Preparati	ion Sterile Preparation			
	rocessing Error / esting Considerations:	To account for processing error considerations during preparameasure an additional 5 to 9% of the required quantities of ing)
<u>S</u>	pecial Instruction:	This formula may contain one or more Active Pharmaceutical I may be classified as hazardous, please refer & verify the curren Antineoplastic and Other Hazardous Drugs in Healthcare Settin General Chapter <800> Hazardous Drugs – Handling in He informational and not compendially applicable unless otherwise and enforcement bodies. For information on the scope, intended implementation context for USP General Chapter <800>, see: https://www.usp.org/compounding/general-chapter-hazardous-healthcare.	nt NIOS ngs. At ealthca e speci d appli	SH list of this time, are Settings is ified by regulators cability, and	S
		This formula must be prepared within the appropriate facilities environmental conditions, following the necessary guidelines a within <i>USP 795</i> and <i>USP 800</i> , when handling hazardous drugs qualified personnel must prepare this formula.	nd pro	cedures as stated	
		All required personal protective equipment (hazardous if applic limited to, lab coat, protective sleeves, gloves both inner and or dedicated shoe covers, hairnet, beard cover, eyewear, appropria and face shield, etc., where applicable must be worn at all times	iter if a	applicable,	•
		If applicable, follow all required procedures for hazardous drug not limited to procurement, transport, storage, preparation, disp clean up (spills) & disposal.			
		If you are a registered 503B facility, please refer to all relevant including but not limited to the Code of Federal Regulations (C Industry (GFIs) and Compliance Policy Guides (CPGs).			
		Clindamycin Phosphate has a Narrow Therapeutic Index.			

This procedure requires the use of very small quantities of ingredients. All calculations and preparation techniques must be verified before dispensing the final product.



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SUGGESTED PREPARATION (for 100 mL)

Weigh and / or measure the following ingredients when appropriate:

Ingredient Listing	Qty.	Unit	Multiplication factor (*):	Processing Error	Qty. to measure
Hydrous Benzoyl Peroxide, USP §	TBD				
Clindamycin Phosphate, USP §	TBD				
Salicylic Acid, USP §	5.000	g	©		
Sodium Metabisulfite, NF §	0.10	g			
Propylene Glycol, USP §	10.0	mL	1		
Medisca VersaPro TM Lotion Base	70.0	mL	8		
Medisca VersaPro TM Lotion Base	q.s. to 100.0	mL	0		

- § Weigh / measure just prior to use.
- * Takes into account increased batch size conversions and density conversions, if required.

Ingredient quantification:	
A. Determine the quantity (in g) of Hydrous Benzoyl Peroxide required to make a Ben Lotion, batch size (100 mL):	nzoyl Peroxide 5% Topical
Quantity of Benzoyl Peroxide required for 100 mL	5.000 g
DIVIDED BY	
Assay result (from certificate of analysis)	9
MULTIPLIED BY	100
EQUALS	
i. Quantity of Hydrous Benzoyl Peroxide needed for 100 mL	g
MULTIPLIED BY	
Processing error adjustments (5 to 9%)	1.05 to 1.09
EQUALS	
ii. Quantity of Hydrous Benzoyl Peroxide needed plus processing error adjust	ments g



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2.	Ingr	edient quantification:		
	А. І	Determine the potency of Clindamycin Phosphate based on the certificate of analysis:		
	N	MINUS	100	1%
	V	Water Content (from certificate of analysis)		%
	I	DIVIDED BY	100	1
	F	EQUALS		
	(Quantity of water free Clindamycin Phosphate, in decimal		
	N	MULTIPLIED BY		
	A	Assay (base equivalent) on anhydrous basis result (from certificate of analysis)		μg/mg
	N	MULTIPLIED BY (Multiplication factor – μg to grams /mg to grams)	0.0	01
	F	EQUALS		
	i	. Potency of Clindamycin Phosphate (Base equivalent) in g/g		



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	ggested ormula	Benzoyl Peroxide 5%, Clindamycin 1%, Salicylic Acid 5% Topical Lotion (Emulsion, 100 mL)	FIN	F 008 881
3.	Ingr	edient quantification:		
		Determine the quantity (in g) of Clindamycin Phosphate required to make a <u>Clindamycin</u> patch size (100 mL):	<u>ı</u> 1% T	'opical Lotion,
	(Quantity of Clindamycin required for 100 mL		1.000 g
	1	DIVIDED BY		
	I	Potency of Clindamycin Phosphate (Base equivalent) in g/g (Step 2Ai)	-	
	1	EQUALS		
	i	i. Quantity of Clindamycin Phosphate needed for 100 mL	-	g
	1	MULTIPLIED BY		
	I	Processing error adjustments (5 to 9%)	1	1.05 to 1.09
	1	EQUALS		
	i	ii. Quantity of Clindamycin Phosphate needed plus processing error adjustments	-	g
4.	Pow	der-liquid preparation:		
	Α. (Combine and triturate the following ingredients together to form a fine, homogeneous pov	wder b	lend:
		Hydrous Benzoyl Peroxide (amount determined in Step 1Aii) Clindamycin Phosphate (amount determined in Step 3Aii)		
	-	Salicylic Acid Sodium Metabisulfite		
	B. I	Levigate the fine homogeneous powder blend (Step 4A) with the Propylene Glycol.		
	<u>I</u>	End result: Homogeneous liquid-like dispersion.		
5.	Pow	der-liquid to medium integration:		
		Incrementally add the homogeneous liquid-like dispersion (Step 4B) to the VersaPro TM Lorocessing error adjustments).	otion I	Base (70.0 mL plus
	5	Specifications: Continuously mix, using high-shear mixing techniques.		
	ī	End result: Homogeneous lotion-like dispersion		



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6. Filling to volume:

A. Add additional VersaPro[™] Lotion Base to the mixture (Step 5A) to fill to the required batch size (100.0 mL *plus* processing error adjustments).

<u>Specifications</u>: Continuously mix, using high-shear mixing techniques.

End result: Homogeneous lotion-like dispersion.

7. **Product transfer:**

Transfer the final product into the specified dispensing container (see "Packaging requirements").

<u>Note</u>: Continuously mix the final product during the transfer process into the recommended dispensing containers in order to maintain homogeneity.

SUGGESTED PRESENTATION

Estimated Beyond-Use Date		30 days, as per USP 795.	Packaging Requirements		 Tightly closed, light-resistant ointment tube/jar. To be administered with a metered-dose measuring device. 	
	1	Use as directed. Do not exceed dose.	prescribed	6	Shake well before use.	
	2	Keep out of reach of children.		7	Cap tightly after use.	
Auxiliary Labels	3	Consult your health care practition other prescription or over-timedications are currently being uprescribed for future use.	the-counter	8	Do not allow applicator tip to come into contact with surrounding tissue.	
	4	Keep at controlled room tempera – 25°C).	ature (20°C	9	For external use only.	
	5	Protect from light.		10	Keep in a dry place.	
Pharmacist Instructions Add any auxiliary labels specific to the API to the			dispe	nsing container as deemed necessary.		
Patient	Co	ntact your pharmacist in the event of	of adverse re	action	ns.	
Instructions	IMPORTANT: The quantity of API administered is directly dependent on the quantity of product applied					



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