

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

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Suggested Formula	Hydroquinone 8% Topical Gel (Suspension, 15 g)	FIN	F 006 651

SUGGESTED FORMULATION

Ingredient Listing	Qty.	Unit	NDC #	Supplier	Lot Number	Expiry Date
Hydroquinone, USP	1.200	g				
Polysorbate 80, NF	1.0	mL				
Medisca CopaSil TM	12.72	g				

SPECIAL PREPARATORY CONSIDERATIONS

<u>Ingredient-Specific Information</u>		
Light Sensitive (protect from li	ght whenever possible):	Hydroquinone, Polysorbate 80, CopaSil™
Hygroscopic (protect from moi	sture whenever possible):	Polysorbate 80
Oxygen sensitive (protect from	air whenever possible):	Hydroquinone, Polysorbate 80
Suggested Preparatory Guidelines		
Non-Sterile Preparat	ion Sterile Preparation	
<u>Processing Error /</u> <u>Testing Considerations</u> :		or considerations during preparation, it is suggested to % of the required quantities of ingredients.
Special Instruction:	Protective apparel, such as a lab should always be worn.	o coat, disposable gloves, eyewear and face-masks
		of very small quantities of ingredients. All calculations t be verified before dispensing the final product.



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SUGGESTED PREPARATION (for 15 g)

Weigh and / or measure the following ingredients when appropriate:

Ingredient Listing	Qty.	Unit	Multiplication factor (*):	Processing Error	Qty. to measure
Hydroquinone, USP §	1.200	g			
Polysorbate 80, NF §	1.0	mL			
Medisca CopaSil™ §	12.72	g	©		

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

	Preparatory Instruction
1.	Powder-liquid preparation:
	A. Triturate the Hydroquinone to form a fine, homogeneous powder.
	B. Levigate the fine homogeneous powder (Step 1A) with the Polysorbate 80.
	End result: Homogeneous paste-like dispersion.
2.	Powder-liquid to medium integration:
	A. Incrementally add the homogeneous paste-like dispersion (Step 1B) to the CopaSil™.
	Specifications: Continuously mix, using high-shear mixing techniques.
	End result: Homogeneous gel-like dispersion.
	B If the final result is gritty, pass it through the ointment mill until it becomes smooth and uniform.
3.	Product transfer:
	Transfer the final product into the specified dispensing container (see "Packaging Requirements").



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SUGGESTED PRESENTATION

JGGESTED PRI	LJE	NIATION					
Estima Beyond-Use D		6 months, as per USP*.	Packa Requirem		Tightly closed, light-resistant container with topical applicator.		
	1	Use as directed. Do not exceed dose.	d prescribed	7	Cap tightly after use.		
	2	Keep out of reach of children.		8	Do not allow applicator tip to come into contact with surrounding tissue.		
Auxiliary Labels	3	Consult your health care practit other prescription or over medications are currently being prescribed for future use.	-the-counter	9	Keep in a dry place.		
	4	Keep at room temperature (20°C	C – 23°C).	10	Protect from light.		
	5	Do not touch the medication hands.	with your	11	For external use only.		
	6	Do not allow to come into c eyes/ears/nose/mouth.	ontact with				
Pharmacist Instructions	Ad	d any auxiliary labels specific to t	he API to the	dispe	nsing container as deemed necessary.		
Patient	Contact your pharmacist in the event of adverse reactions.						
Instructions	IMPORTANT: The quantity of API administered is directly dependent on the quantity of product applied.						

* The BUD is not later than the time remaining until the earliest expiration date of any API or 6 months, whichever is earlier.

REFERENCES

1.	Gels. In: Allen, LV, Jr. <i>The Art, Science and Technology of Pharmaceutical Compounding Fourth Edition.</i> American Pharmaceutical Association; 2012: 285.
2.	Polyoxyethylene Sorbitan Fatty Acid Esters. In: Rowe RC. <i>Handbook of Pharmaceutical Excipients</i> , 7 th Edition. American Pharmaceutical Association; 2012: 620.
3.	Hydroquinone. In: Sweetman SC, ed. <i>Martindale: The Complete Drug Reference</i> , 36 th Edition. London, England: The Pharmaceutical Press; 2009: 1598.
4.	Hydroquinone (Monograph). In: O'Neil MJ. <i>The Merck Index 15th Edition</i> . Whitehouse Station, NJ: Merck & Co, Inc.; 2013: Monograph #4845.



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4	Hydroquinone. In: Trissel LA. <i>Trissel's Stability of Compounded Formulations</i> , 5 th Edition. American Pharmaceutical Association; 2012: 246.					
(Hydroquinone (Monograph). <i>United States Pharmacopeia XXXVIII / National Formulary 33</i> . Rockville, MD. US Pharmacopeial Convention, Inc. 2015: 3804.					
	7. USP <795>. <i>United States Pharmacopeia XXXVIII / National Formulary 33</i> . Rockville, MD. US Pharmacopeial Convention, Inc. 2015: 559.					



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