

Oral Care Formulations

Revive Mouth Rinse

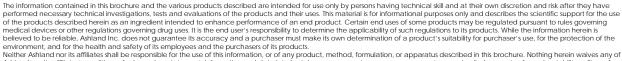
Formula# M300-3011E Material# 874240

A mouth rinse with a novel hydrogel for oral moisturization.

Ingredients (Trade Name)	INCI Name	% w/w	Supplier
Phase A			
Lubrajel** BA hydrogel	Water/Aqua [and] Glycerin [and] Butylene Glycol [and] Sodium Polyacrylate [and] Polyacrylic Acid [and] Benzoic Acid [and] EDTA	10.000	Ashland
Glycerin	Glycerin	5.000	Solvo-Chem
Purified Water	Water/Aqua	QS to100	In-House
Synperonic* PE/F 127	Poloxamer-407	2.000	Croda
Phase B			
Sodium Saccharin	Sodium Saccharin	0.050	Merck
Sodium Benzoate	Sodium Benzoate	0.150	Merck
Sodium Hydroxide (50% solution)	Sodium Hydroxide	0.150	Merck
FD&C Blue No. 1	CI 42090	0.0003	BASF
Phase C			
Sodium Lauryl Sulfate	Sodium Lauryl Sulfate	0.375	Merck
Phase D			
Wintergreen Flavor	Flavor	0.500	Takasago
Benzoic Acid	Benzoic Acid	0.150	Merck
Total		100.00	

Lab processing procedure

- 1. Mix Lubrajel BA hydrogel and glycerin under stirrer at 800 rpm.
- 2. Add purified water slowly to the above under agitation at 500 rpm. Mix for 120 minutes at 1000 rpm.
- 3. Add poloxamer 407 flakes to the above neutralized mixture. Mix it until completely solubilized at 800 rpm.
- 4. Add Phase B ingredients to above mixture and mix for 10 minutes at 500 rpm.
- 5. Add sodium lauryl sulfate to above mixture and mix for 5 minutes at 500 rpm.
- 6. Solubilize benzoic acid in flavor and add it slowly to above mixture and mix for 10 minutes at 500 rpm.



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Typical Properties

Appearance:Slight transparent light blue liquidpH:5.5-5.7

This formula has passed 3-months accelerated stability test and a 28-day preservative efficacy test. However, the preservative system and flavor have not been optimized.

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