

# Formulation Example

## S 25-2-61 Caviar Pearls Youth Encapsulated

Ingredients	INCI US	[%]
<b>A</b>		
Kelcogel® CG-LA	(1) GELLAN GUM	0.50
Water, demineralized	WATER	84.25
<b>A1</b>		
Xirona® Le Coeur	(2) IRON OXIDES (AND) SILICA	0.10
Ronastar® Blue Lights	(2) ALUMINA (OR ALTERNATIVELY: SYNTHETIC SAPPHIRE) (AND) TITANIUM DIOXIDE (AND) SI O <sub>2</sub> (AND) TIN OXIDE	0.10
tri-Sodium Citrate-Dihydrate	(2) SODIUM CITRATE	0.25
<b>A2</b>		
RonaCare® Sodium Benzoate	(2) SODIUM BENZOATE	0.20
Keltrol® CG-T	(3) XANTHAN GUM	0.10
<b>A3</b>		
RonaCare® JouvaMer	(2) WATER (AND) PELVETIA CANALICULATA EXTRACT (AND) BENZYL ALCOHOL (AND) DEHYDROACETIC ACID	2.00
RonaCare® RenouMer (US: 1.32289 RonaCare® RenouMer Cos)	(2) WATER (AND) POLYSIPHONIA ELONGATA EXTRACT (AND) SODIUM BENZOATE (AND) CITRIC ACID	2.00
Glycerol 85%	(2) GLYCERIN (AND) WATER	10.50
<b>B</b>		
Calcium chloride, anhydrous powder	(2) CALCIUM CHLORIDE	5.00
Citric acid monohydrate	(2) CITRIC ACID	10.00
Water, demineralized	WATER	85.00
<b>C</b>		
RonaCare® Ectoin	(2) ECTOIN	0.50
RonaCare® Sodium Benzoate	(2) SODIUM BENZOATE	0.20
Ronastar® Silver	(2) CALCIUM ALUMINUM BOROSILICATE (OR ALTERNATIVELY: CALCIUM SODIUM BOROSILICATE) (AND) SILICA (AND) TITANIUM DIOXIDE (AND) TIN OXIDE	0.01
Keltrol® T Plus	(3) XANTHAN GUM	0.20
Lubrajel Oil	(4) PVM/MA COPOLYMER (AND) PROPYLENE GLYCOL (AND) GLYCERYL POLYMETHACRYLATE	6.00
Water, demineralized	WATER	93.09

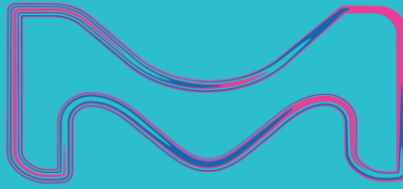
### Procedure:

Disperse Kelcogel® CG-LA in water with high speed until it is fully dispersed. Then heat the water phase to 50°C. Remove the water phase from the heat source and add Sodium Citrate and the pigments. Stir Sodium Benzoate and Xanthan Gum into the water phase, then add Glycerin, RonaCare® RenouMer and RonaCare® JouvaMer.

Prepare phase B (gelling solution).

Now add phase A dropwise with help of a buret or separating funnel to phase B. Add phase A/B through a sieve to remove the obtained droplets from gelling solution carefully. Rinse with demineralized water until the rinsing water is above pH 4.

Prepare phase C (active gel): Dissolve the solid ingredients in the water, then the pigments and the thickeners. Finally add the formed and rinsed droplets to the active gel. Fill into a suitable dispenser.



# FORMULATION EXAMPLE

## Suppliers:

(1) CP Kelco

(3) RAHN GmbH

(2) Merck Electronics KGaA / EMD Performance Materials Corp.

(4) Ashland Industries Europe GmbH

Products are warranted to meet the specifications set forth on their label/packaging and/or certificate of analysis at the time of shipment or for the expressly stated duration. EMD Performance Materials Corp. provides information and advice on application technologies and relevant regulations based upon its current