



**JARCHEM INDUSTRIES, INC.**

An ISO 9001:2015 Company

414 Wilson Avenue

Newark, NJ 07105

Tel# (973) 344-0600

Fax# (973) 344-5743

E-Mail: [info@jarchem.com](mailto:info@jarchem.com)

Website: [www.jarchem.com](http://www.jarchem.com)

## FORMULATION

### Jarchem™ Super HydroGel-e Jam

Formula No. JY02218

Natural Origin Content: 100% (ISO 16128-2:2017)

| PHASE | INGREDIENTS                                   | INCI NAME   | FUNCTION                    | %     | SUPPLIER                           |
|-------|---|---|-----------------------------|-------|------------------------------------|
| A     | Actique™ PGA                                  | Sodium Polyglutamate  | Active                      | 0.5   | Jarchem                            |
|       | Actique™ NAG                                  | Acetyl Glucosamine  | Active                      | 0.5   | Jarchem                            |
|       | Cellulose™<br>Hydroxyethylcellulose<br>PCG-10 | Hydroxyethylcellulose   | Rheology<br>Modifier        | 1.25  | Dow Chemical                       |
| B     | Zemea™  | Propanediol   | Humectant                   | 1.0   | Dupont Tate & Lyle<br>Bio Products |
|       | Glycerin                                      | Glycerin  | Humectant                   | 1.0   | Acme Hardesty                      |
|       | Actique™ NL50                                 | Sodium PCA  | Active                      | 2.0   | Jarchem                            |
|       | Water   | Aqua  | Solvent                     | 82.75 | -                                  |
| C     | Spectrastat™ PHL                              | Caprylhydroxamic Acid (and) 1,2-Hexanediol<br>(and) Propanediol   | Alternative<br>Preservative | 1.0   | INOLEX                             |
|       | Actique™ Hyal Matrix                          | Sodium Hyaluronate Crosspolymer<br>(and) Sodium Hyaluronate (and) Sodium<br>Acetylated Hyaluronate (and) Hydrolyzed<br>Sodium Hyaluronate (and) Hyaluronic Acid<br>(and) Hydrolyzed Glycosaminoglycans (and)<br>Hydrolyzed Hyaluronic Acid (and) Aqua | Active                      | 10.0  | Jarchem                            |

#### PROCEDURE:

1. Add **Actique™ PGA**, **Actique™ NAG**, and Hydroxyethylcellulose to vessel.
2. Add Zemea, Glycerin, and **Aminosyl NL50** to vessel. Mix to form a slurry.
3. Add water continue to mix until all powders dispersed.
4. Add alternative preservation and then **Actique™ Hyal Matrix** while mixing until homogenous.

#### Properties:

Appearance: Clear serum gel

pH: 6-6.5

Viscosity: 10K-17K cps at RT

Effective: 06/17/2021

The above supersedes any provision in your forms, letters, and papers. JARCHEM INDUSTRIES makes no warranty, whether expressed or implied, including warranties of merchantability or fitness for a particular purpose, for the chemicals it sells. Under no circumstances shall JARCHEM INDUSTRIES be liable for incidental, consequential, or other damages from alleged negligence, breach of warranty, strict liability, or any other theory arising from the use or handling of the chemicals it sells. The sole liability, if any, of JARCHEM INDUSTRIES for any claims arising out of the manufacture, use, or sale of its chemicals shall be for the return of the buyer's purchase price. The information contained herein is to our best knowledge true and accurate. Recommendations and suggestions are made without guarantee of favorable results since conditions of use are beyond our control. These data shall not be construed as a recommendation to use any product in conflict with existing patents covering any material or use.