WanSpheres ACT-W3

Soft Bio-derived Beads

Technical Data Sheet

Name: WanSpheres ACT-W3
Revision Date: 2019-10-23

Product Description

INCI Name: Water (and) Caprylic/Capric Triglyceride (and) Glycerin (and) Phenoxyethanol (and) Propanediol (and) Butylene Glycol (and) Agar (and) Calcium Alginate (and) Xanthan Gum (and) Caprylyl Glycol (and) Synthetic Fluorphlogopite (and) Titanium Dioxide.

WanSpheres ACT-W3 are visually appealing, actives-loaded soft beads that are added into skin care formulations, e.g., creams, serums, etc. These millimeter-sized beads can be loaded with oil-soluble and/or water-soluble actives for pressure-release delivery onto the skin during application. The product contains the following preservative: 7000 ppm phenoxyethanol and 3000 ppm caprylyl glycol. The effects of other substances and pH values on the inactivation of preservative should be noted.

Properties

1. Visually appealing with elegant skin feeling
2. Protection of sensitive actives from environmental factors via encapsulation
3. Release of encapsulated actives via pressure and leaves no shell behind
4. Encapsulation of both oil-soluble and water-soluble actives

Characteristic data*

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
<th>Unit</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>White Soft Beads</td>
<td>Visual</td>
<td></td>
</tr>
<tr>
<td>Size</td>
<td>2.5–3.5</td>
<td>mm</td>
<td>Vernier Caliper</td>
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<td>pH</td>
<td>5.0–7.0</td>
<td>GB/T 6920-1986</td>
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*These properties are typical but do not constitute specifications.

Storage

The product should be stored between 15–30 °C with the integrity of the packaging, and prevented from direct sunlight. The validity of this product is for 9 months. Performance assessment is recommended before use after shelf life. The product should be protected from freezing during storage. It is suggested to filter before application and use up once the package is open.
Disclaimer: Wanhua Chemical Group Co., Ltd. recommends that customers should check with Materials Safety Data Sheet (MSDS) for details about safety instructions. We also suggest that you contact the suppliers of other materials used in our recommended formulations and consult appropriate health and safety regulations prior to use. The information contained herein is believed to be reliable. However, nothing in this technical sheet should be considered as a representation of warranty, express or implicit, regarding the product characteristics, application, quality, safety, merchantability or fitness for a particular purpose. Nothing contained herein is to be considered as permission, recommendation, nor as an inducement to practice any patented invention without permission of the patent owner.