WanSpheres BWS-G2

Soft Bio-derived Beads

Technical Data Sheet

Name: WanSpheres BWS-G2
Revision Date: 2019-02-19
No. WHSM_BWSG2
Version: 1.0

Product Description


WanSpheres BWS-G2 are visually appealing, active-loaded soft beads that are added into transparent body/face wash and shampoo formulations (recommended usage of 1–30 wt%). Standard millimeter-sized WanSpheres BWS-G2 are loaded with 2.5 wt% tocopheryl acetate for pressure-release delivery of vitamin E 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 active from environmental factors via encapsulation
3. Release of encapsulated active via pressure and leaves no shell behind
4. Stable in product formulations with high amounts of surfactants

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>Green Soft Beads</td>
<td></td>
<td>Visual</td>
</tr>
<tr>
<td>Size</td>
<td>1.5–2.5</td>
<td>mm</td>
<td>-</td>
</tr>
<tr>
<td>pH</td>
<td>5.0–7.0</td>
<td></td>
<td>GB/T 6920-1986</td>
</tr>
<tr>
<td>Encapsulated Active</td>
<td>Tocopheryl Acetate</td>
<td></td>
<td>-</td>
</tr>
<tr>
<td>Active Content</td>
<td>2.5</td>
<td>wt%</td>
<td>-</td>
</tr>
</tbody>
</table>

*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
WanSpheres BWS-G2

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.