**Unicap® K45**

Polyacrylate Sodium Dispersant

**Technical Data Sheet**

Name: Unicap® K45  
Revision Date: 2019-01-11

**Product Description**

Unicap® K45 is a homopolymer of sodium polyacrylate with a molecular weight of approximately 4,500 by GPC, versus polyacrylic acid standards. It is widely used as dispersant, anti-redeposition agent etc. in laundry detergents, institutional and industrial detergents.

**Properties**

1. Low odor and environment-friendly  
2. Detergency increasing  
3. Excellent anti-redeposition property  
4. Outstanding caustic solubility.

**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>Colorless to pale yellow transparent viscous liquid</td>
<td></td>
<td>Visual</td>
</tr>
<tr>
<td>Non-volatile matter</td>
<td>44.0 ~ 46.0</td>
<td>%</td>
<td>WHPU/T011-571-2017 (5cm, 150°C, 60min)</td>
</tr>
<tr>
<td>pH</td>
<td>6.0-8.0</td>
<td></td>
<td>GB 6920-1986</td>
</tr>
</tbody>
</table>
| Viscosity(25°C)   | 400 ~ 1400              | mPa·s | GB/T 2794-2013  
|                   |                         |      | (Brookfield LV, 62#/20rpm)                                            |
| Solvent           | Water                   |      |                                                                        |
| Ingredient        | Sodium polyacrylate     |      |                                                                        |

*These properties are typical but do not constitute specifications.

**Storage**

The product should be stored in dry conditions above 5°C and below 35°C with the integrity of the packaging, and prevent direct sunlight. The validity of this product is for...
Unicap® K45

12 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 any customers of this material should check with Materials Safety Data Sheet (MSDS) for details about safely handling this material. We also suggest that you contact the suppliers of any other materials used in our recommended formulations and suggestions for 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.