**Unicap® K41M**

Acrylic Copolymer

**Technical Data Sheet**

Name: Unicap® K41M  
Revision Date: 2019-01-11  
NO: WHSM_K41M  
Version: 1.1

**Product Description**

Unicap® K41M is a maleic acid/acrylic copolymer with a molecular weight of approximately 3,000 by GPC, which can disperse or prevent the deposition of a great variety of organic and inorganic crystal solids and remove or sequester calcium and magnesium through the formation of soluble complexes in water. It is widely used in laundry detergents, institutional and industrial detergents.

**Properties**

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

**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>Yellowish to light amber liquid</td>
<td></td>
<td>Visual</td>
</tr>
</tbody>
</table>
| Non-volatile matter | 40.0 ~ 42.0             | %    | WHPU/T011-571-2017  
(5cm,150°C,60min)  
GB 6920-1986  
GB/T 2794-2013  
(Brookfield LV,62#/60rpm) |
| pH                | 9.0-11.0                |      | GB 6920-1986  
GB/T 2794-2013  
(Brookfield LV,62#/60rpm) |
| Viscosity(25°C)   | 50 ~ 350                | mPa·s | GB/T 2794-2013  
(Brookfield LV,62#/60rpm) |
| Solvent           | Water                  |      |                                                                       |
| Ingredient        | Maleic acid/acrylic copolymer |      |                                                                       |

*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® K41M

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.