**PRODUCT DATA SHEET**

**CELLBIND™ 30 Cellulose Gum**

**Description**
CELLBIND™ 30 is a highly purified Sodium Carboxymethylcellulose. It is an odourless, thickener, stabilizer or dispersant.

**Standard packaging**
Packed in 20 kg bags. All packaging material complies with FDA and EU food contact legislation.

**Regulatory compliance**
CELLBIND™ 30 complies with the requirements contained in the following regulations and standards: Food Chemicals Codex, 21 CFR 182.1745, JECFA, the purity criteria in the current EC Directive, Japan’s Specifications and Standards for Food Additives, and the National Standard of the People’s Republic of China.

CELLBIND™ 30 also conforms to the monographs of “Carmellose Sodium” or “Carboxymethylcellulose Sodium” in the current Ph. Eur., USP/NF, JP, and several local pharmacopoeias.

INCI name: Cellulose Gum.

**Labeling information**
CELLBIND™ 30
Cellulose Gum, Sodium Carboxymethyl Cellulose.
CAS number 9004-32-4.
E-466, INS/SIN-466 for use in food.

CELLBIND™ 30 is certified Kosher and Halal.

**Shelf life**
Shelf life for CELLBIND™ 30 products is 36 months from the date of manufacture.

However, as a result of a natural process the viscosity of Cellulose Gum may decrease in time. We guarantee that the product will meet the viscosity specification for 12 months after the indicated “Manufacturing Date”. After these 12 months the product can still be used safely up to the indicated shelf life end date, but may need a slight dosage correction in order to give optimum performance in the application.

**Documentation**
Further details appear from Product Specifications:
- Purity Specifications 005 for CELLBIND™, Cellulose Gum (Carboxymethylcellulose Sodium, Carmellose Sodium) grades in pharma applications

Test methods are available upon request. CP Kelco reserves the right to use company test methodology.

**Production Facilities**
CP Kelco Åånekoski, Finland
CP Kelco Taixing, China
**CELLBIND™ 30 Cellulose Gum**

File no.: Cellbind30/812109061BG/A

Revision date: January 8, 2013

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### Specifications

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Specification</th>
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<tbody>
<tr>
<td>NaCMC content (dry basis)</td>
<td>min. 99.5%</td>
</tr>
<tr>
<td>Moisture as packed</td>
<td>max. 10%</td>
</tr>
<tr>
<td>Sodium chloride content (dry basis)</td>
<td>max. 0.5%</td>
</tr>
<tr>
<td>Sodium glycolate content (dry basis)</td>
<td>max. 0.4%</td>
</tr>
<tr>
<td>Degree of substitution</td>
<td>0.75 – 0.85</td>
</tr>
<tr>
<td>Sodium content</td>
<td>7.5 – 9.0%</td>
</tr>
<tr>
<td>Sulphated ash content (1% solution)</td>
<td>23.0 – 27.0%</td>
</tr>
<tr>
<td>pH</td>
<td>6.5 – 8.0</td>
</tr>
<tr>
<td>Viscosity, 1%, 25°C, 3/30</td>
<td>2300 – 3500 mPa.s</td>
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<tr>
<td>Brookfield LV</td>
<td></td>
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</tbody>
</table>

### Other characteristics

- White to cream powder
- Odourless
- Neutral taste
- Typical particle size:
  - > 0.075 mm : 40-75%
  - > 0.5 mm : max 3%

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[www.cpkelco.com](http://www.cpkelco.com)

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**The Americas**

<table>
<thead>
<tr>
<th>CP Kelco US, Inc</th>
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</tr>
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Page 2 of 2