

## GENU® pectin type LM-104 AS

File no.: 0002200-34

Revision date: December 13, 2017

<b>Description</b>	GENU® pectin type LM-104 AS is a partly amidated low ester pectin extracted from citrus peel and standardized by addition of sucrose.		
<b>Features in application</b>	<ul style="list-style-type: none"> <li>• High calcium reactivity</li> <li>• Gelling agent</li> </ul>		
<b>Typical Applications</b>	<ul style="list-style-type: none"> <li>• Low sugar jams with soluble solids of 20 - 40%</li> <li>• Low sugar jellies with soluble solids of 20 - 40%</li> <li>• Yoghurt fruit preparations</li> </ul>		
<b>Typical Use Level</b>	0.5 - 0.8%		
<b>Standard packaging</b>	Packed in 25 kg paper bags. All packaging material complies with FDA and EU food contact legislation.		
<b>Regulatory Compliance</b>	<p>Manufactured under food cGMP</p> <p>The hydrocolloid(s) in question complies with current identity and purity criteria according to</p> <ul style="list-style-type: none"> <li>• Food Chemicals Codex</li> <li>• FAO/JECFA specifications</li> <li>• EU Regulation laying down specifications for food additives</li> </ul> <p>The purity, identity and microbial criteria are listed in Pectin Identity and Purity, Food 0000001</p>		
<b>Labeling information</b>	<p>GENU® pectin type LM-104 AS</p> <p>E440 Amidated pectin standardized with sucrose, CAS: 9000-69-5, 57-50-1 For food and not for retail sale.</p>		
<b>Specifications</b> (Reported on Certificate of Analysis)	Property	Specification	CP Kelco Control Method
	* Ca-test 80 ppm, 25%, g TA-XT2	15.0 – 25.0	0201031
	* Ca-test 160 ppm, 25%, g TA-XT2	30.0 – 45.0	0201031
	pH of 1% solution	4.0 – 5.0	0006041
	Loss on drying, %	Not more than 12.0	0006042
	<p>*Functional property is guaranteed 1095 days (36 months) from date of manufacture, when stored in a roofed and well ventilated location in the unopened original package.</p> <p>If date of use is after the Functionality guarantee date but within Shelf Life/Best Before date the product can still be used but functionality may have changed slightly.</p>		

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<b>Other characteristics</b>	Free-flowing powder Particle size: Less than 1% gum on a 0.250 mm test sieve Color*: White, yellowish, light grayish or light brownish Flavor*: Essentially flavorless Odor*: Essentially odor free Degree of esterification, typically 27% Degree of amidation, typically 20% <i>*) Pectin is produced from natural raw materials, thus some batch variation may be expected.</i>
<b>Shelf life/Best before</b>	When stored in a roofed and well ventilated location in the unopened original package, the product may be stored up to 1095 days (36 months) from date of manufacture. Shelf Life/Best Before period is the guaranteed period through which we guarantee the purity and identity
<b>Additional Documents</b>	Additional documents are available upon request. <a href="mailto:customer.request@cpkelco.com">customer.request@cpkelco.com</a>
<b>Production facilities</b>	Possible production facilities of CP Kelco: CP Kelco, Grossenbrode, Germany CP Kelco, Limeira, Brazil CP Kelco, Lille Skensved, Denmark

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