

CERTIFICATE OF ANALYSIS

Ship to: Biesterfeld Spezialchemie GmbH Ferdinandstrasse 41 20095 Hamburg		Date: September 21, 2015 Order Number: 876589 Shipped From: CP Kelco Germany GMBH Customer Order: 4500680791 Delivery: 80940297 Date Shipped: Bill Of Lading: Pick Quantity: 725.00 Kilogram	
Sold to:(If different from Ship to)			
Product Name: GENU® pectin type LM 12 CG Material Number: 104357		Manufacturing Date: Sep 16, 2015 Shelf Life/Best Before Date: Sep 15, 2018 Lot: GR53431	
Characteristic	Test Result	Specification	Test Method
Functionality guarantee date	Sep 15, 2016		
pH of 1% solution	3.0	2.8 - 3.4	0006041
Loss on drying, %	4.3	Not more than 12.0	0006042
Gel strength, LMC, low Ca	105	90 - 110	.0201041
Degree of Esterification, %	33.3	Typical 35 %	.0201038
<p>The information/data reported on this certificate applies to the lot/batch mentioned. Note that additional digits after the lot/batch number maybe included on the package. This number is for internal use only. Each lot of product complies with product specification, test methods and other characteristics as mentioned in the Product Data Sheet.</p> <p>Functionality guarantee date is the date to which CP Kelco guarantee functionality of the product as specified in the PDS if stored under recommended conditions. If date of use is after functionality date but within Shelf Life/Best Before date the product can still be used but functionality may have changed slightly.</p>			
Signature: <i>Thomas Nellesen</i> THOMAS NELLESSEN - QC MANAGER		Material was produced in: GROSSENBRÖDE , GERMANY	