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Erlangen, 2015-07-15

Protein determination in natural rubber latex

Date of analysis: 2015-06-11 (mod. Lowry), 2015-07-13 (amino acid analysis)
Sample: **ENCORE Orthopaedic**
Lot: 1409020505
Analysis-No.: 05150303

Extraction: Double glove method with 0.1 M TES pH 7.4 (according to EN 455-3)

Determination: **Modified Lowry (according to EN 455-3):**
Colour development: BioRad DC Protein Assay

Amino acid analysis (HPLC):

Hydrolysis: 6 N Hydrochloric acid 100°C, 48 h
Analysis: Separation of amino acids by HPLC after
pre-column derivatization with o-phthal-dialdehyde.
Quantification by fluorescence detection.

Results:

	Modified Lowry µg protein / g glove	Amino acid analysis µg protein / g glove
1. Extraction right	<10	<10
2. Extraction right	<10	
1. Extraction left	<10	<10
2. Extraction left	<10	
Mean	<10	<10


Dr. Mirko Kummer