



March 20, 2009

Report No.: CL1549-0

Bill Blakemore
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 Box 8 - Route 1 Plainsboro Road
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Listed below are the results of our analyses for sample(s) received on January 30, 2009.

5.0 grams of sample was added to 100ml of isopropyl alcohol (IPA) and shaken for 1 hour. The IPA was then gravity filtered through Whatman 541 filter paper. 10ml of the filtered IPA was then filtered through a 0.2µm syringe filter. 10ml of deionized water was added then EPA Method 556 was used to analyze the IPA/water solution for carbonyl compounds.

Carrageen 3 1/29/09

NFL ID: AD77759

Screen	Analyte	Result (in IPA)	Result (in Sample)	MDL (in Sample)	Method Ref.
EPA Method 556	Acetaldehyde	ND	ND	100 ppb	EPA Method 556
EPA Method 556	Benzaldehyde	10 µg/L	200 ppb	20 ppb	EPA Method 556
EPA Method 556	Butanal	ND	ND	40 ppb	EPA Method 556
EPA Method 556	Crotonaldehyde	ND	ND	40 ppb	EPA Method 556
EPA Method 556	Cyclohexanone	ND	ND	80 ppb	EPA Method 556
EPA Method 556	Decanal	ND	ND	80 ppb	EPA Method 556
EPA Method 556	Formaldehyde	ND	ND	50ppb	EPA Method 556
EPA Method 556	Heptanal	1 µg/L	20 ppb	20 ppb	EPA Method 556
EPA Method 556	Hexanal	1 µg/L	20 ppb	20 ppb	EPA Method 556
EPA Method 556	Nonanal	4 µg/L	80 ppb	20 ppb	EPA Method 556
EPA Method 556	Octanal	ND	ND	80 ppb	EPA Method 556
EPA Method 556	Pentanal	ND	ND	60 ppb	EPA Method 556
EPA Method 556	Propanal	ND	ND	100 ppb	EPA Method 556

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FMC Biopolymer Corp.

Carrageen 4 1/29/09

NFL ID: AD77760

Screen	Analyte	Result (in IPA)	Result (in Sample)	MDL (in Sample)	Method Ref.
EPA Method 556	Acetaldehyde	ND	ND	100 ppb	EPA Method 556
EPA Method 556	Benzaldehyde	34 µg/L	680 ppb	20 ppb	EPA Method 556
EPA Method 556	Butanal	ND	ND	40 ppb	EPA Method 556
EPA Method 556	Crotonaldehyde	2 µg/L	40 ppb	40 ppb	EPA Method 556
EPA Method 556	Cyclohexanone	ND	ND	80 ppb	EPA Method 556
EPA Method 556	Decanal	4 µg/L	80 ppb	80 ppb	EPA Method 556
EPA Method 556	Formaldehyde	ND	ND	50 ppb	EPA Method 556
EPA Method 556	Heptanal	ND	ND	20 ppb	EPA Method 556
EPA Method 556	Hexanal	ND	ND	20 ppb	EPA Method 556
EPA Method 556	Nonanal	1 µg/L	20 ppb	20 ppb	EPA Method 556
EPA Method 556	Octanal	ND	ND	80 ppb	EPA Method 556
EPA Method 556	Pentanal	ND	ND	60 ppb	EPA Method 556
EPA Method 556	Propanal	ND	ND	100 ppb	EPA Method 556

ND = Not Detected, MDL = Method Detection Limit

Results are reported based on the sample(s) as received, unless otherwise noted.

Please note that these results apply only to the sample(s) submitted for this report. Samples from a different portion of the same lot may produce different results.

Your sample(s) will be retained for thirty days from the date of this report. If we do not hear from you by that time, the sample(s) will be discarded.

Should you have any questions concerning these results, please do not hesitate to contact us.

Thank you for using the services of The National Food Laboratory.

Sincerely,

Daniel H. McCoy
Technical Manager - Chemistry

cc: Patrick Manning, Accounting