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Certificate of Analysis

Product Description: Lecithin, Soybean
Catalog Number: 151539
Lot: M7094**Formula:** N/A
CAS #: 8002-43-5
Physical Description: Waxy Orange-yellow Solid**Formula Weight:** N/A
Storage: -0°C

Test	Specification	Result
Identity Test	Passes	Passes
Purity	≥90%	97.4%
Source	Soybeans	Soybeans

Phosphatidyl ethanolamine: <0.1%
Phosphatidyl-inositol: <0.1%
Lysophosphatidylcholine: 0.4%
Phosphorus: 3.9%
N-Acyl-phosphatidyl-ethanolamine: <0.1%
Nonpolar Lipids: 1.0%
Triglycerides: 0.2%
Free Fatty acids: <0.05%
DL-α-Tocopherol: 0.22%
Water (KF): 0.4%
Ethanol: <0.2%
Peroxide Value: 0.0
Iodine: 104
Heavy Metals: <10 ppm
Endotoxin: <0.7 EU/g
Mold/Yeast: None Detected
Pseudomonas aeruginosa: Negative
Staphylococcus aureus: Negative
C.F.U.: None detected
E.coli & Salmonella: Negative

A handwritten signature in black ink that reads 'Christina Marotta'. The signature is written in a cursive, flowing style.

06/27/2013 - Christina Marotta
MP Biomedicals, LLC.

Technical Director

This is an electronically generated document

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<http://www.mpbio.com>

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Technical Service: 1-800-279-5490 (440-337-1200) Customer Service: 1-800-854-0530 (440-337-1200)