

Certificate of Analysis



Lipid Phenols

Product Description: Feruloyl Soy Glycerides (FSG33)

Batch #: SBO1EF1-B5

Serial #: 0011-0016

Blend Date: 14-Jan-2016

*Exp Date: 14-Jan-2018

Specifications:

Color	pale yellow to amber	OK
Clarity	transparent (ambient)	OK
Odor	bland neutral	OK
Volatiles by wt%	negligible	OK

	Range	Measured	meets STD
Specific Gravity	0.92 - 0.97	0.95	YES
Total Ferulate Concentration (@ 325 nm) (Feruloyl Soy Glycerides & Ferulic Acid Ethyl Ester)	500-700 mM	575 mM	YES
% Ethyl Ferulate	26 - 37%	32%	YES
% Ferulic Acid	< 7%	2%	YES
% Diferuloyl Glycerol	< 2 %	1%	YES
% Feruloyl & Diferuloyl Monofattyacylglycerols	13 - 29%	23%	YES
% Feruloyl Difattyacylglycerol	34 - 52%	42%	YES

Note: To insure greater homogeneity of the product should Diferuloyl Glycerol begin to precipitate, gently warm to 50 °C under nitrogen and agitate until the product becomes clear or slightly cloudy.

Approved for shipping by: _____

*Compton, D.L.; et al., Continuous, packed-bed, enzymatic bioreactor production and stability of feruloyl soy glycerides, *Industrial Crops and Products*, 77, 2015, 787–794.