

Covance Food Solutions is now Eurofins Food Integrity and Innovation

Certificate of Analysis

Eurofins-BioDiagnostics, Inc.

 507 Highland Drive
River Falls Wisconsin 54022 United States

Sample Name:	Heal Oil XT500110518	Eurofins Sample:	7933924
Project ID	EURO_BIO-20181205-0008	Receipt Date	05-Dec-2018
PO Number	CVD	Receipt Condition	Ambient temperature
Sample Serving Size		Login Date	05-Dec-2018
Description	118237931		

Analysis	Result
Residual Solvents - Class 2 Mix C, Class 3 DMSO (Nonvolatile Solvents)	
Class 2	
2-Methoxyethanol	<50.0 ppm
2-Ethoxyethanol	<160 ppm
N,N-Dimethylformamide	<880 ppm
N,N-Dimethylacetamide	<1090 ppm
Ethylene Glycol	<620 ppm
N-Methylpyrrolidone	<530 ppm
Formamide	<220 ppm
Sulfolane	<160 ppm
Class 3	
Dimethyl Sulfoxide	<250 ppm

Analysis	LOQ	Limit	Result	Pass/Fail
Residual Solvents - Class 3, Acids Only				
Acetic Acid	200 ppm		<200 ppm	
Formic Acid	200 ppm		<200 ppm	

Method References	Testing Location
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Residual Solvents - Class 2 Mix C, Class 3 DMSO (Nonvolatile Solvents) (USPR_DIN_S) United States Pharmacopeia, 39th Rev. - National Formulary 34th Ed., Method <467>, USP Convention, Inc., Rockville, MD (2016). (Modified).	Food Integrity Innovation-Madison
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Residual Solvents - Class 3, Acids Only (USPR_ACD_S) [1] United States Pharmacopeia, 39th Rev. - National Formulary 34th Ed., Method <467>, USP Convention, Inc., Rockville, MD (2015). (Modified) [2] Zhou, D., Hou, Q., Liu, W., Ren, X., "Rapid determination of formic and acetic acids in biomass hydrosylate by headspace gas chromatography," Journal of Industrial and Engineering Chemistry, 47:281-287 (2017).	Food Integrity Innovation-Madison
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Testing Location(s)**Released on Behalf of Eurofins by****Food Integrity Innovation-Madison****Edward Ladwig - Director**

Eurofins Food Chemistry Testing US, Inc.
3301 Kinsman Blvd
Madison WI 53704
800-675-8375

Eurofins Food Integrity and Innovation accepts all liability for work conducted as of 01 Aug 2018.

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