

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

<b>Sample Name:</b>	Relax Oil XT300918	<b>Eurofins Sample:</b>	7933923
<b>Project ID</b>	EURO_BIO-20181205-0008	<b>Receipt Date</b>	05-Dec-2018
<b>PO Number</b>	CVD	<b>Receipt Condition</b>	Ambient temperature
<b>Sample Serving Size</b>		<b>Login Date</b>	05-Dec-2018
<b>Description</b>	118237930		

Analysis	Result
<b>Residual Solvents - Class 2 Mix C, Class 3 DMSO (Nonvolatile Solvents)</b>	
<b>Class 2</b>	
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
<b>Class 3</b>	
Dimethyl Sulfoxide	<250 ppm

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

Method References	Testing Location
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<b>Residual Solvents - Class 2 Mix C, Class 3 DMSO (Nonvolatile Solvents) (USPR_DIN_S)</b> United States Pharmacopeia, 39th Rev. - National Formulary 34th Ed., Method <467>, USP Convention, Inc., Rockville, MD (2016). (Modified).	<b>Food Integrity Innovation-Madison</b>
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<b>Residual Solvents - Class 3, Acids Only (USPR_ACD_S)</b> [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).	<b>Food Integrity Innovation-Madison</b>
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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.**

**These results apply only to the items tested. This certificate of analysis shall not be reproduced, except in its entirety, without the written approval of Eurofins.**