

## Certificate of Analysis

### Stacker2 Europe BV

Geerweg 2  
Sittard 6135KC Netherlands

<b>Sample Name:</b>	<b>Stacker 3 XPLC</b>	<b>Eurofins Sample:</b>	<b>8896626</b>
<b>Project ID</b>	STACKER2-20191008-0001	<b>Receipt Date</b>	08-Oct-2019
<b>PO Number</b>	CVD	<b>Receipt Condition</b>	Ambient temperature
<b>Lot Number</b>	198197	<b>Login Date</b>	08-Oct-2019
<b>Sample Serving Size</b>	1 Cap	<b>Date Started</b>	08-Oct-2019
		<b>Online Order</b>	30

Analysis	Result
<b>Calculated Sample Weight *</b>	
Entity Weight	0.6992 g
Entity Fill Weight	0.6025 g
<b>Elements by ICP Mass Spectrometry</b>	
Cadmium	0.000 mcg/Serving Size
Lead	0.000 mcg/Serving Size
Mercury	<0.000 mcg/Serving Size
<b>Mycotoxins in Raw Materials</b>	
Aflatoxin B1	<0.000 mcg/Serving Size
Aflatoxin B2	<0.000 mcg/Serving Size
Aflatoxin G1	<0.000 mcg/Serving Size
Aflatoxin G2	<0.000 mcg/Serving Size
Aflatoxin M1	<0.000 mcg/Serving Size
Aflatoxin M2	<0.000 mcg/Serving Size
Deoxynivalenol	<0.000 mcg/Serving Size
T-2 Toxin	<0.000 mcg/Serving Size
HT-2 Toxin	<0.000 mcg/Serving Size
Fumonisin B1	<0.000 mcg/Serving Size
Fumonisin B2	<0.000 mcg/Serving Size
Ochratoxin A	<0.000 mcg/Serving Size
Zearalenone	<0.000 mcg/Serving Size
<b>Screening Method for the Detection of Adulterants in Weight Loss Supplements *</b>	
1-Phenylethylamine	<69.9 mcg/Serving Size
2-Methylamino-1-phenylbutane	<1.40 mcg/Serving Size
2-Phenylethylamine	<69.9 mcg/Serving Size
Aegeline	<14.0 mcg/Serving Size
Amphetamine	<0.699 mcg/Serving Size
Benzphetamine	<0.699 mcg/Serving Size
Benzyl Sibutramine	<0.699 mcg/Serving Size
Bisacodyl	<0.699 mcg/Serving Size
Bumetanide	<6.99 mcg/Serving Size
Bupropion	<0.699 mcg/Serving Size
Cetilistat	<69.9 mcg/Serving Size
Chloro-Sibutramine	<1.40 mcg/Serving Size
Dapoxetine	<6.99 mcg/Serving Size

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#### Analysis

#### Result

#### Screening Method for the Detection of Adulterants in Weight Loss Supplements \*

Diclofenac	<10 mcg/g
Diethylpropion (Amfepramone)	<0.699 mcg/Serving Size
Emodin	<5 mcg/g
Ephedrine	<0.699 mcg/Serving Size
Ephedrine, methylpseudo-	<0.699 mcg/Serving Size
Ephedrine, methyl-	<0.699 mcg/Serving Size
Ephedrine, nor-	<0.699 mcg/Serving Size
Ephedrine, norpseudo-	<0.699 mcg/Serving Size
Ephedrine, pseudo-	<0.699 mcg/Serving Size
Fenfluramine	<0.699 mcg/Serving Size
Fenproporex	<0.699 mcg/Serving Size
Fluoxetine	<6.99 mcg/Serving Size
Furosemide	<69.9 mcg/Serving Size
Glybenclamide	<6.99 mcg/Serving Size
Homosibutramine	<1.40 mcg/Serving Size
Hordenine	<3.50 mcg/Serving Size
Lorcaserin	<6.99 mcg/Serving Size
Metformin	<6.99 mcg/Serving Size
Methylphenethylamine, beta	<0.699 mcg/Serving Size
N,N-Dimethylphenylethylamine	<0.699 mcg/Serving Size
N-Desmethyl sertraline	<6.99 mcg/Serving Size
N-Desmethyl sibutramine	<0.699 mcg/Serving Size
N-Didesmethyl sibutramine	<1.40 mcg/Serving Size
N,alpha-Diethylphenethylamine	<0.699 mcg/Serving Size
N-Formyl N,N-Didesmethyl Sibutramine	<1.40 mcg/Serving Size
NIDA-41020	<1.40 mcg/Serving Size
N-Methyltryptamine	<1.40 mcg/Serving Size
N-Methyltyramine	<0.699 mcg/Serving Size
Octopamine	<699 mcg/Serving Size
Orlistat	<6.99 mcg/Serving Size
Paroxetine	<1.40 mcg/Serving Size
Phendimetrazine	<0.699 mcg/Serving Size
Phenolphthalein	<6.99 mcg/Serving Size
Phentermine	<1.40 mcg/Serving Size

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#### Analysis

#### Result

#### Screening Method for the Detection of Adulterants in Weight Loss Supplements \*

Phenytain	<69.9 mcg/Serving Size
Picamilon	<6.99 mcg/Serving Size
Propranolol	<3.50 mcg/Serving Size
Rimonabant	<1.40 mcg/Serving Size
Sertraline	<0.699 mcg/Serving Size
Sibutramine	<0.699 mcg/Serving Size
Synephrine	<6.99 mcg/Serving Size
Theobromine	868 mcg/Serving Size
Theophylline	23.1 mcg/Serving Size
Topiramate	<14.0 mcg/Serving Size
Tyramine	<14.0 mcg/Serving Size

#### Polycyclic Aromatic Hydrocarbons-Low Level

Benz(a)anthracene	0.00110 mcg/Serving Size
Benzo(a)pyrene	0.000515 mcg/Serving Size
Benzo(b)fluoranthene	0.00117 mcg/Serving Size
Benzo(g,h,i)perylene	0.000529 mcg/Serving Size
Benzo(k)fluoranthene	0.000370 mcg/Serving Size
Chrysene	0.00157 mcg/Serving Size
Dibenz(a,h)anthracene	<0.000151 mcg/Serving Size
Indeno(1,2,3-c,d)pyrene	0.000439 mcg/Serving Size
Pyrene	0.00527 mcg/Serving Size

#### Method References

#### Testing Location

Calculated Sample Weight (PREP)

Food Integrity Innovation-Madison

Elements by ICP Mass Spectrometry (ICP\_MS\_S)

Food Integrity Innovation-Harrogate

Official Methods of Analysis, Method 2011.19 and 993.14, AOAC INTERNATIONAL, (Modified).  
Pequette, L.H., Szabo, A., Thompson, J.J., "Simultaneous Determination of Chromium, Selenium, and Molybdenum in Nutritional Products by Inductively Coupled Plasma/Mass Spectrometry: Single-Laboratory Validation," Journal of AOAC International, 94(4): 1240 - 1252 (2011).

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Method References	Testing Location
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<b>Mycotoxins in Raw Materials (MYCO_REG_S)</b>	<b>Food Integrity Innovation-Harrogate</b>
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Varga, E., Glauner, T., Koppen, R., Mayer, K., Sulyok, M., Schumacher, R., Krska, R. and Berthiller, F., "Stable isotope dilution assay for the accurate determination of mycotoxins in maize by UHPLC-MS/MS," Analytical and BioAnalytical Chemistry, 402:2675-2686 (2012).

<b>Polycyclic Aromatic Hydrocarbons-Low Level (LLPAH_S)</b>	<b>Food Integrity Innovation-Madison</b>
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Internally Developed Method

<b>Screening Method for the Detection of Adulterants in Weight Loss Supplements (ADULTER1_S)</b>	<b>Food Integrity Innovation-Madison</b>
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Lukas Vaclavik, Alexander J. Krynitsky, Jeanne I. Rader, "Mass spectrometric analysis of pharmaceutical adulterants in products labeled as botanical dietary supplements or herbal remedies: a review.," Analytical and Bioanalytical Chemistry, 27: 6767-6790 (2014).

B.J. Venhuisa, M.E. Zwaagstrab, P.H.J. Keizersa, D. de Kaste, "Dose-to-dose variations with single packages of counterfeit medicines and adulterated dietary supplements as a potential source of false negatives and inaccurate health risk assessments," Journal of Pharmaceutical and Biomedical Analysis, 89:158-165 (2014).

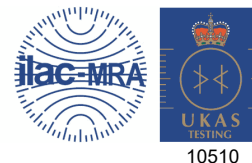
Daniel J. Mansa, Ashley C. Gucinskia, Jamie D. Dunna, Connie M. Gryniewicz-Ruzicka, Laura C. Mecker-Poguea, Jeff L.-F. Kaob, Xia Geb, "Rapid screening and structural elucidation of a novel sibutramine analogue in a weight loss supplement: 11-Desisobutyl-11-benzylsibutramine," Journal of Pharmaceutical and Biomedical Analysis, 83:122-128 (2013).

Maciej J. Bogusz, Huda Hassan, Eid Al-Enazi, Zuhour Ibrahim, Mohammed Al-Tufail, "Application of LC-ESI-MS-MS for detection of synthetic adulterants in herbal remedies," Journal of Pharmaceutical and Biomedical Analysis, 41: 554-564 (2006).

Testing Location(s)	Released on Behalf of Eurofins by
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<b>Food Integrity Innovation-Harrogate</b>	<b>Christopher Houlton - Director</b>
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<b>Food Integrity Innovation-Madison</b>	<b>Edward Ladwig - Director</b>
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