

Certificate of Analysis

Stacker2 Europe BV

Geerweg 2
Sittard 6135KC Netherlands

| | | | |
|----------------------------|------------------------|--------------------------|---------------------|
| Sample Name: | Black Burn | Eurofins Sample: | 7973333 |
| Project ID | STACKER2-20181218-0003 | Receipt Date | 18-Dec-2018 |
| PO Number | CVD | Receipt Condition | Ambient temperature |
| Lot Number | F82307 | Login Date | 18-Dec-2018 |
| Sample Serving Size | 1 Cap | Online Order | 30 |

Analysis

Result

Calculated Sample Weight *

| | |
|--------------------|----------|
| Entity Weight | 0.6988 g |
| Entity Fill Weight | 0.5613 g |
| Entity Weight | 0.7022 g |
| Entity Fill Weight | 0.5610 g |

Yohimbe *

| | |
|-----------|------------|
| Yohimbine | <100 mcg/g |
|-----------|------------|

Elements by ICP Mass Spectrometry

| | |
|---------|-----------------|
| Cadmium | <0.500 mcg/100g |
| Lead | 1.93 mcg/100g |
| Mercury | <0.500 mcg/100g |

Mycotoxins in Raw Materials

| | |
|----------------|---------------|
| Aflatoxin B1 | <0.500 mcg/kg |
| Aflatoxin B2 | <0.500 mcg/kg |
| Aflatoxin G1 | <0.500 mcg/kg |
| Aflatoxin G2 | <0.500 mcg/kg |
| Aflatoxin M1 | <0.500 mcg/kg |
| Aflatoxin M2 | <0.500 mcg/kg |
| Deoxynivalenol | <100 mcg/kg |
| T-2 Toxin | <10.0 mcg/kg |
| HT-2 Toxin | <100 mcg/kg |
| Fumonisin B1 | <25.0 mcg/kg |
| Fumonisin B2 | <25.0 mcg/kg |
| Ochratoxin A | <1.00 mcg/kg |
| Zearalenone | <30.0 mcg/kg |

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

| | |
|------------------------------|-------------|
| 1-Phenylethylamine | <100 mcg/g |
| 2-Methylamino-1-phenylbutane | <2 mcg/g |
| 2-Phenylethylamine | <100 mcg/g |
| Aegeline | <20 mcg/g |
| Amphetamine | <1 mcg/g |
| Benzphetamine | <1 mcg/g |
| Benzyl Sibutramine | <1 mcg/g |
| Bisacodyl | <1 mcg/g |
| Bumetanide | <10.0 mcg/g |

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

| | |
|--------------------------------------|-------------|
| Bupropion | <1 mcg/g |
| Cetilistat | <100 mcg/g |
| Chloro-Sibutramine | <2 mcg/g |
| Dapoxetine | <10 mcg/g |
| Diclofenac | <10 mcg/g |
| Diethylpropion (Amfepramone) | <1 mcg/g |
| Emodin | <5 mcg/g |
| Ephedrine | <1 mcg/g |
| Ephedrine, methylpseudo- | <1 mcg/g |
| Ephedrine, methyl- | <1 mcg/g |
| Ephedrine, nor- | <1 mcg/g |
| Ephedrine, norpseudo- | <1 mcg/g |
| Ephedrine, pseudo- | <1 mcg/g |
| Fenfluramine | <1 mcg/g |
| Fenproporex | <1 mcg/g |
| Fluoxetine | <10 mcg/g |
| Furosemide | <100 mcg/g |
| Glybenclamide | <10 mcg/g |
| Homosibutramine | <2 mcg/g |
| Hordenine | <5 mcg/g |
| Lorcaserin | <10 mcg/g |
| Metformin | <10 mcg/g |
| Methylphenethylamine, beta | <1 mcg/g |
| N,N-Dimethylphenylethylamine | <1.00 mcg/g |
| N-Desmethyl sertraline | <10 mcg/g |
| N-Desmethyl sibutramine | <1 mcg/g |
| N-Didesmethyl sibutramine | <2 mcg/g |
| N,alpha-Diethylphenethylamine | <1 mcg/g |
| N-Formyl N,N-Didesmethyl Sibutramine | <2 mcg/g |
| NIDA-41020 | <2 mcg/g |
| N-Methyltryptamine | <2 mcg/g |
| N-Methyltyramine | <1 mcg/g |
| Octopamine | <1000 mcg/g |
| Orlistat | <10 mcg/g |
| Paroxetine | <2 mcg/g |

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| | |
|-----------------|------------|
| Phendimetrazine | <1 mcg/g |
| Phenolphthalein | <10 mcg/g |
| Phentermine | <2 mcg/g |
| Phenytoin | <100 mcg/g |
| Picamilon | <10 mcg/g |
| Propranolol | <5 mcg/g |
| Rimonabant | <2 mcg/g |
| Sertraline | <1 mcg/g |
| Sibutramine | <1 mcg/g |
| Synephrine | <10 mcg/g |
| Theobromine | 295 mcg/g |
| Theophylline | 70 mcg/g |
| Topiramate | <20 mcg/g |
| Tyramine | <20 mcg/g |

Polycyclic Aromatic Hydrocarbons-Low Level

| | |
|----------------------|------------|
| Benz(a)anthracene | <0.250 ppb |
| Benzo(a)pyrene | <0.250 ppb |
| Benzo(b)fluoranthene | <0.250 ppb |
| Chrysene | <0.250 ppb |
| Sum of PAH4 analytes | <1.00 ppb |

Method References

Testing Location

Calculated Sample Weight (PREP) Food Integrity Innovation-Madison

Calculated Sample Weight (PREP_BREA) Food Integrity Innovation-Brea

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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Page 3 of 5

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| Method References | Testing Location |
|---|-------------------------------------|
| <p>Mycotoxins in Raw Materials (MYCO_REG_S)</p> <p>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).</p> | Food Integrity Innovation-Harrogate |
| <p>Polycyclic Aromatic Hydrocarbons-Low Level (LLPAH_S)</p> <p>Covance Inc. developed method</p> | Food Integrity Innovation-Madison |
| <p>Screening Method for the Detection of Adulterants in Weight Loss Supplements (ADULTER1_S)</p> <p>Lukas Vaclavik, Alexander J. Kryniisky, 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).</p> <p>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).</p> <p>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).</p> <p>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).</p> | Food Integrity Innovation-Madison |
| <p>Yohimbe (MISC_OC)</p> <p>Covance Developed Method</p> | Food Integrity Innovation-Brea |

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Testing Location(s)**Released on Behalf of Eurofins by****Food Integrity Innovation-Brea****Robert Grahn - Manager**

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