

Certificate of Analysis

Stacker2 Europe BV

Geerweg 2
Sittard 6135KC Netherlands

Sample Name:	BCAA Energy	Eurofins Sample:	11054846
Project ID	STACKER2-20211015-0002	Receipt Date	15-Oct-2021
PO Number	NA	Receipt Condition	Ambient temperature
Lot Number	6038923	Login Date	15-Oct-2021
Sample Serving Size		Date Started	22-Oct-2021
		Sampled	Sample results apply as received

Analysis

Result

Elements by ICP Mass Spectrometry

Cadmium	<5.00 ppb
Lead	5.98 ppb
Mercury	<5.00 ppb

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
Benfluorex	<10 mcg/g
Benzphetamine	<1 mcg/g
Benzyl Sibutramine	<1 mcg/g
Bisacodyl	<1 mcg/g
Bumetanide	<10.0 mcg/g
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

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Hordeine	<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
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	<20 mcg/g
Theophylline	<20 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

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Page 2 of 4

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Polycyclic Aromatic Hydrocarbons-Low Level

Benzo(b)fluoranthene	<0.250 ppb
Benzo(g,h,i)perylene	<0.250 ppb
Benzo(k)fluoranthene	<0.250 ppb
Chrysene	<0.250 ppb
Dibenz(a,h)anthracene	<0.250 ppb
Indeno(1,2,3-c,d)pyrene	<0.250 ppb
Pyrene	0.307 ppb

Method References

Testing Location

Elements by ICP Mass Spectrometry (ICP_MS_S)

Food Integrity Innovation-Madison

6304 Ronald Reagan Ave Madison, WI 53704 USA

Official Methods of Analysis, Method 2011.19 and 993.14, AOAC INTERNATIONAL, (Modified).
Paquette, 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).

Polycyclic Aromatic Hydrocarbons-Low Level (LLPAH_S)

Food Integrity Innovation-Madison

6304 Ronald Reagan Ave Madison, WI 53704 USA

Internally Developed Method

Screening Method for the Detection of Adulterants in Weight Loss Supplements (ADULTER1_S)

Food Integrity Innovation-Madison

6304 Ronald Reagan Ave Madison, WI 53704 USA

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Page 3 of 4

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Method References

Testing Location

Screening Method for the Detection of Adulterants in Weight Loss Supplements (ADULTER1_S)

Food Integrity Innovation-Madison

6304 Ronald Reagan Ave Madison, WI 53704 USA

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).

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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

Food Integrity Innovation-Madison

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