

History:

The WESSLING Hungary Ltd. on the request of Hymato Products Termelő és Kereskedelmi Kft. (8412 Veszprém-Gyulafirátót, Posta utca 9.) performed the tests of unadorned product samples regarding presence of any banned doping substance.

Product name	Manufacturer	Validity of the product
Humana		2011

EXPERT REPORT

**Customer name/address: HYMATO PRODUCTS
Termelő és Kereskedelmi Kft.
8412 Veszprém-Gyulafirátót, Posta utca 9.**

Project:

**Étrend-kiegészítők vizsgálata (2010/E/1573)
(Analysis of nutritional supplements)**

Expert report No.: 96506szv.

The results refer only to the samples delivered to the WESSLING Hungary Ltd.
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History:

The WESSLING Hungary Ltd. on the request of Hymato Products Termelő és Kereskedelmi Kft. (8412 Veszprém-Gyulafirátót, Posta utca 9.) performed the tests of undermentioned product sample regarding presence of any banned doping substance.

Product name	Manufacturer	Validity of sample product
Huminikum kapszula	Hymato Products Kft	02.12.2011

The test of the above mentioned product was performed by gas chromatography and mass spectrometry for anabolic agents, and liquid chromatography and mass spectrometry for stimulants after an appropriate sample preparation.*

The sample was tested for the presence of the following banned substances:

Anabolic agents:

Reporting level: 100 ng/g:

19-nor-4-androstene-3,17-dione; 1,4-androstadiene-3,17-dione; 1-testosterone; 4(5)-androstene-3,17-dione; 5 α -androstane-3 β ,17 β -diol; boldenone; clenbuterol; dehydroepiandrosterone (DHEA); dihydrotestosterone; metandienone; methyltestosterone; nandrolone;; testosterone; testosterone-propionate, 5 α -androstane-3 α ,17 β -diol; stanozolol

Stimulants:

Reporting level: 100 ng/g:


amphetamine; benzphetamine; cathine; codeine; ephedrine; famprofazone; fenfluramine; MDA; MDE; MDMA; mephentermine; methadone; methamphetamine; methoxyphenamine; methylephedrine; methylphenidate; norfenfluramine; phentermine; pseudoephedrine; selegiline (deprenyl); sibutramine; strychnine.

Reporting level: 300 ng/g:

mazindol, pentylenetetrazole

Evaluation of test results:

The analyzed product did not contain any of the above mentioned stimulants and anabolic agents.


Erika Horváthné Soós
Doping Control Laboratory
Head of Laboratory

*References:

K. Deventer, W. Van Thuyne, P. Mikulčíková, P. Van Eenoo and F.T. Delbeke: Detection of stimulants as contaminants in solid nutritional supplements by liquid chromatography-mass spectrometry. *Rapid Commun. Mass Spectrom.*, 2006.20:877-882

M.K. Parr, H.Geyer, G.Opfermann, W.Schänzer: Prescription Drug and New Anabolic Steroids in Nutritional Supplements , In:W.Schänzer, H.Geyer, A.Gotzmann, U.Mareck (eds.) *Recent advances in doping analysis* (12). Sport und Buch Stauß, Köln, (2004) 71-80

W. Van Thuyne and F.T. Delbeke, *Nutritional supplements and doping: The Ghent Experience*, in *Recent Advances in Doping Analysis*. Edts: W. Schänzer, H. Geyer, A. Gotzmann and U. Mareck. 2003. **11**, Sport & Buch Strauß: Cologne (Germany). 57-66.

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