



*Determination of carcinogenic polyaromatic hydrocarbons*

NATIONAL INSTITUTE  
OF FOOD AND NUTRITION  
SCIENCE (OËTI)  
1097 Budapest, Gyáli út 3/a.

Budapest, May 30, 1991.  
Re: Test of product 'HUMET'  
Ref. No.: RH/4/Sné  
Your Clark: —  
Our Clark: Rita F. Zalsi

Mailing address: Budapest, 100  
P.O.B. 52, 1476  
Phone: 334-130  
Tx: 226001  
Cable: OËTI

Case number: 1845/1991.OËTI

With reference to your commission, we state the followings:

We tested "HUMET", your peat-derivative humic-acid-based metal complex product of 200 ml supplied to us by you, for carcinogenic polyaromatic hydrocarbons. By the method applied (sampling in dimethylsulfoxide, aqueous dilution, transfer of polyaromatic hydrocarbons to iso-octane by shaking, purification of pooled extract on silica gel layer, VRK determination on acetylated cellulose layer after scraping and dissolution), no carcinogenic polyaromatic hydrocarbons were detected so their possible amounts are:

< 0.2	µg/L	of benzo-(a)-pyrene
< 0.4	µg/L	of benzo-(b)-fluoro-anthene
< 0.8	µg/L	of indeno-pyrene
< 0.4	µg/L	of benzo-(k)-fluoro-anthene
< 2	µg/L	of fluoro-anthene
< 0.8	µg/L	of benzo-(ghi)-perylene

As to the tested contaminations, the sample is no subject to objection in respect of nutrition toxicology.

Katalin Soós M.D.  
Head of Department