



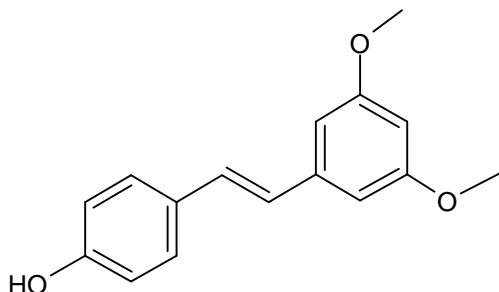
Test Report

Sample name: Pterostilbene
Client: Hansen Sp. z o.o., ul. Zaborowska 8, 05-083 Zaborów, Poland
Purpose of test: Verification of delivered product
Sample description: Pterostilbene
Brand name: Hansen Supplements

Description of substance:

Sample size: 10g
Property: White powder
Formula: C₁₆H₁₆O₃
CAS number: 537-42-8

Structure:



Batch No.: XJY13220602
Date received: 20.02.2023
Test items: Identification of substance, purity, heavy metals
Summary: The sample has been identified and found to be of high quality
Measured purity: **Above 96%** according to ¹H NMR analysis. Appropriate spectra are shown in (Fig. 2) and Fig 3 (¹³C)
Authentication method: Standard, database (ACDLABs) and literature (Bonechi, C., Martini, S., Ciani, L., Lamponi, S., Rebmann, H., Rossi, C. and Ristori, S., 2012. Using liposomes as carriers for polyphenolic compounds: the case of trans-resveratrol) pterostilbene shifts:
<http://kvnaturals.com/images/products/nutraceutical/pterostilbene/13C%20NMR%20of%20Pterostilbene.pdf> or



https://bmr.io/metabolomics/mol_summary/show_data.php?molName=null&id=bmse001321&whichTab=1

All values are within the relevant standards

Test results:

Purity:

Heavy metals: n.d.

Pb (Lead): n.d.

Hg (Mercury): n.d.

Cd (Cadmium): n.d.

As (Arsen): n.d.

Comments:

n.d. – not detected, below limit of detection on AAS spectr AA240FS + AA240Z + GTA120

Date: 20.04.2023

Tested by: Antoni Szumny

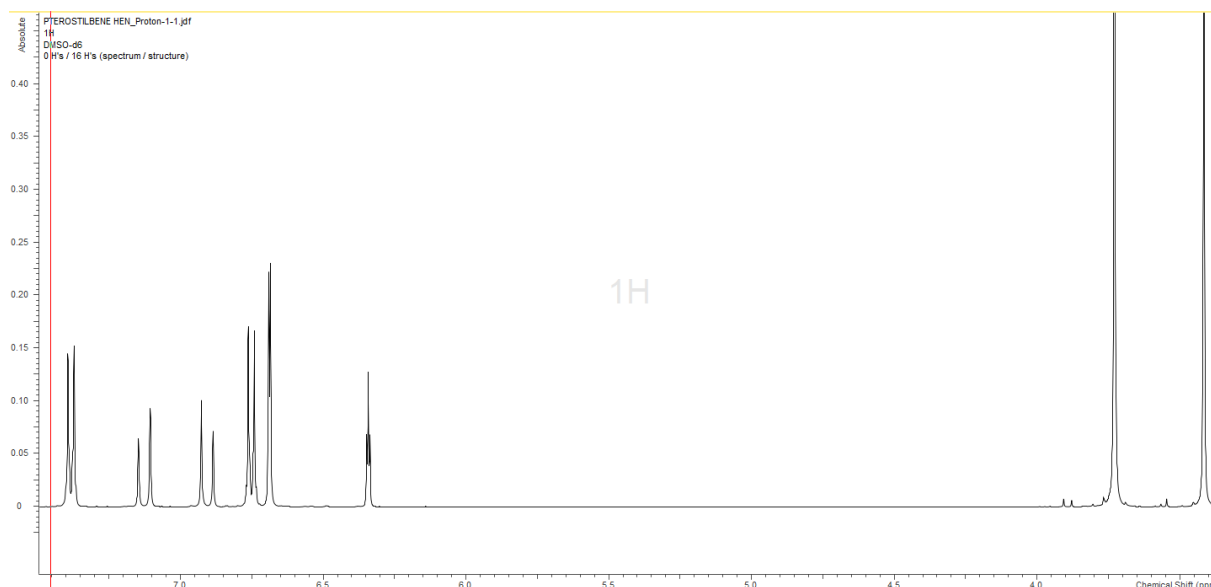


Figure 1. ¹H spectrum of pterostilbene, batch No. XJY13220602 (in DMSO);

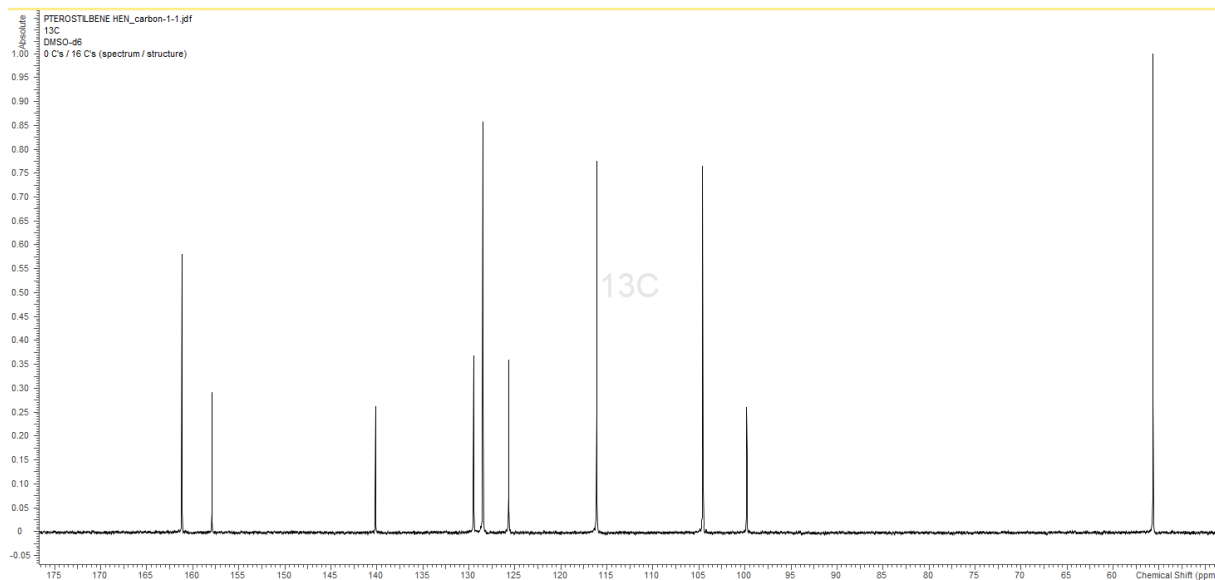


Figure 3. ^{13}C spectrum of pterostilbene, batch No. XJY13220602 (in DMSO);

20.04.2023 Antoni Szumny