

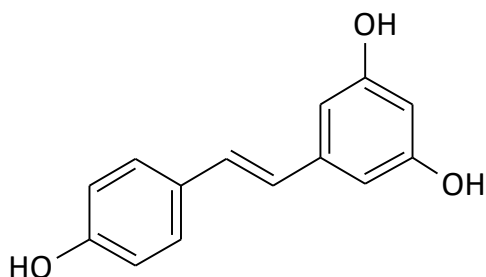


Test Report

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

Description of substance:

Sample size: 10g
Property: White powder
Formula: C₁₄ H₁₂ O₃
CAS number: 501-36-0
Structure:



Batch No.: XJY05220903
Date received: 22.01.2024
Test items: Identification of substance, purity, heavy metals
Summary: The sample has been identified and found to be of high quality
Measured purity: **Above 98%** according to ¹H NMR analysis. Appropriate spectra are shown in (Fig. 2).

Authentication method: Standard and literature Resveratrol shifts. ¹³C shifts (Fig. 3) are in statement with Amalfitano, C., Evidente, A., Mugnai, L., Tegli, S., Bertelli, E., & Surico, G. (2000). Phenols and stilbene polyphenols in the wood of esca-diseased grapevines. Phenols and Stilbene Polyphenols in the Wood of Esca-Diseased Grapevines, 1000-1006.



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 pectr AA240FS + AA240Z + GTA120

Date: 27.01.2024

Tested by: prof. dr hab. Antoni Szumny

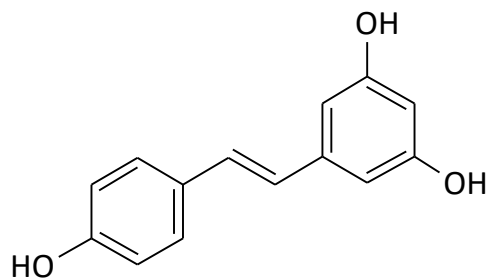


Figure 1. Chemical structure of Resveratrol

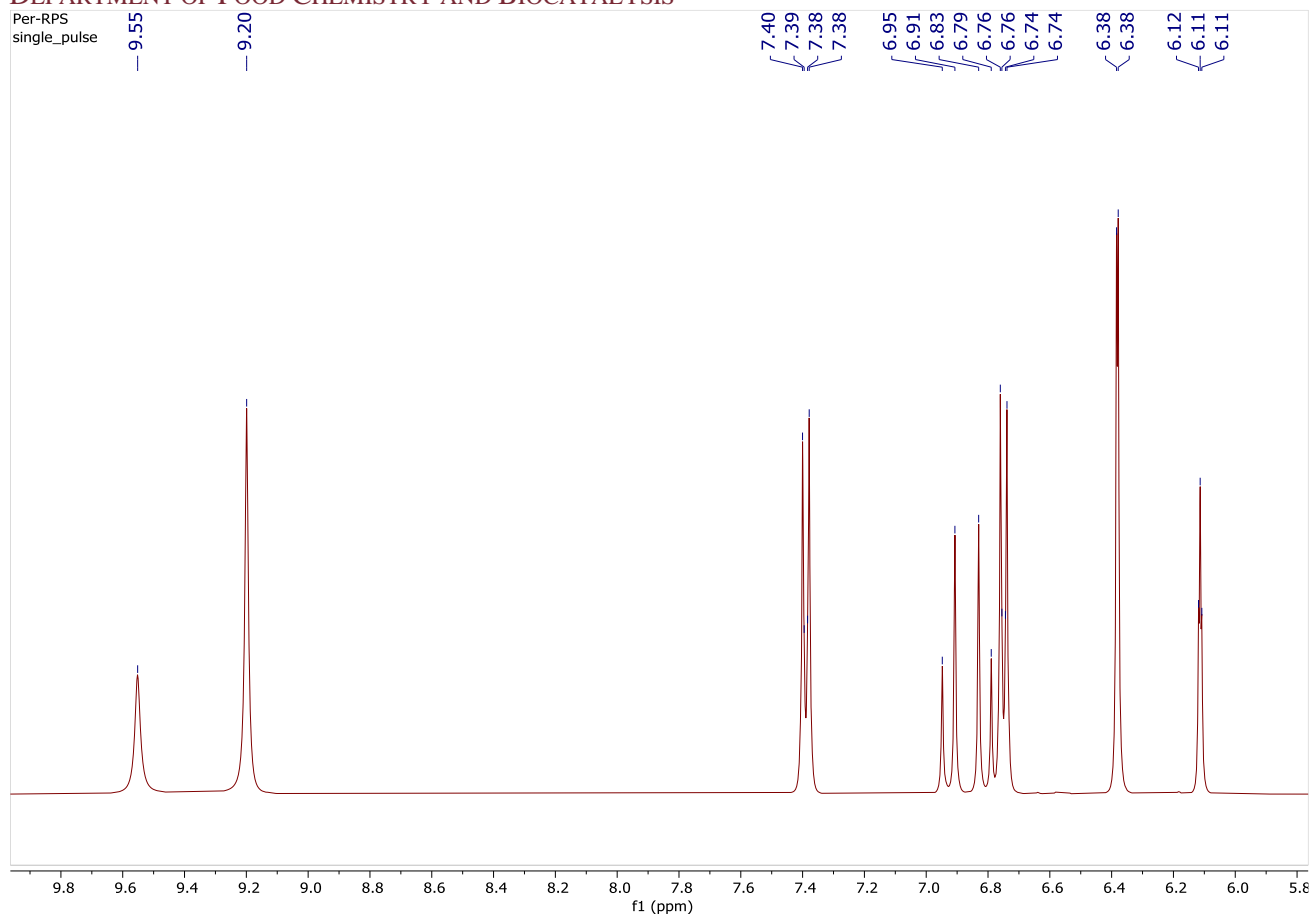


Figure 2. ^1H spectrum of resveratrol, batch No. XJY05231009 of Resveratrol (in DMSO);



RESVERATROL HEN

single pulse decoupled gated NOE

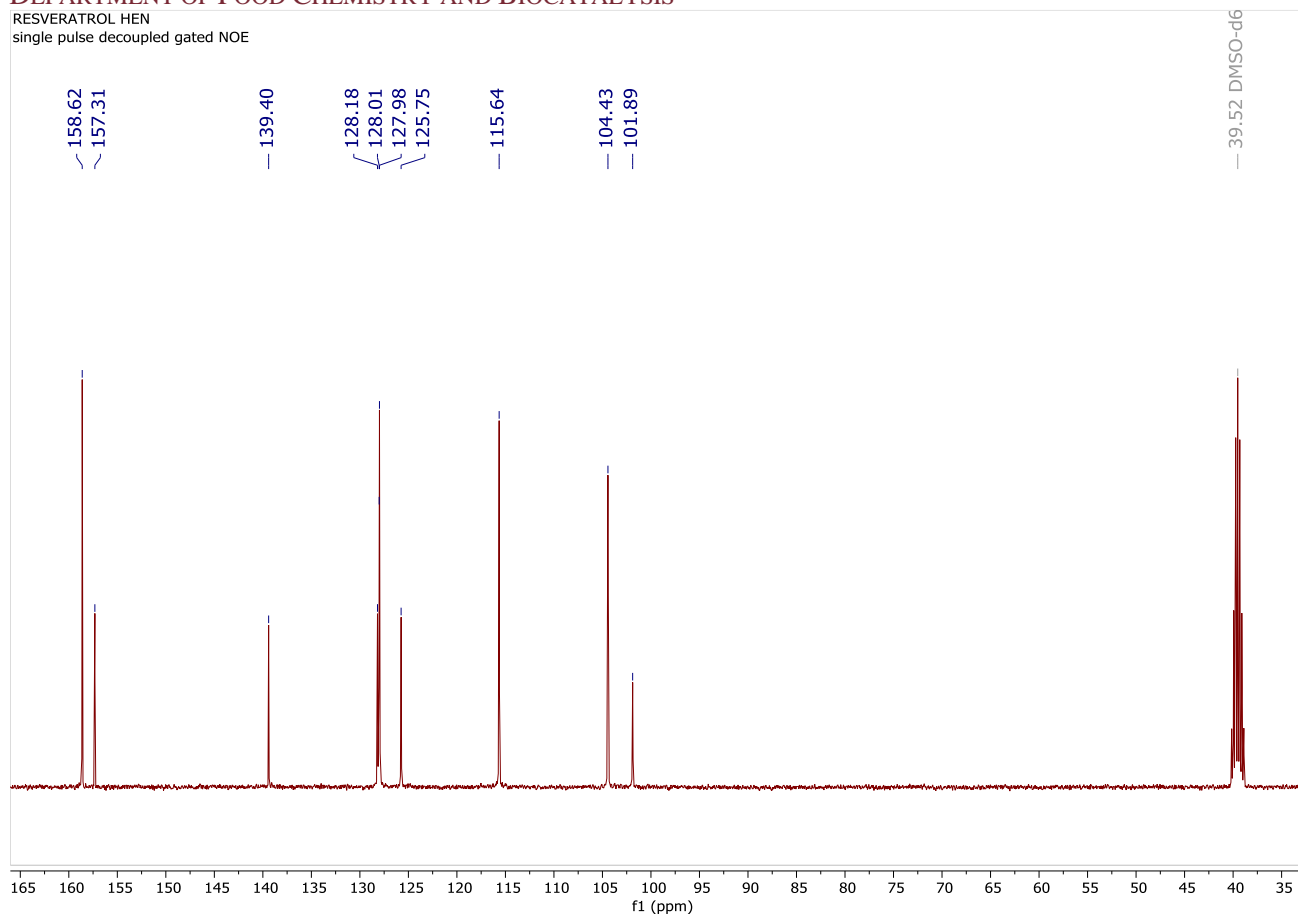


Figure 3. ^{13}C spectrum of resveratrol, batch No. XJY05231009 of resveratrol (in DMSO);

27.01.2024 Antoni Szumny