

Supplementary data for article:

Mudric, S. Z.; Gašić, U. M.; Dramićanin, A. M.; Ćirić, I.; Milojković-Opsenica, D.; Popović-Đorđević, J. B.; Momirović, N. M.; Tešić, Ž. L. The Polyphenolics and Carbohydrates as Indicators of Botanical and Geographical Origin of Serbian Autochthonous Clones of Red Spice Paprika. *Food Chemistry* **2017**, *217*, 705–715. <https://doi.org/10.1016/j.foodchem.2016.09.038>

Supplementary Material

The Polyphenolics and Carbohydrates as Indicators of Botanical and Geographical Origin of Serbian Autochthonous Clones of Red Spice Paprika

Sanja Ž. Mudrić^a, Uroš M. Gašić^a, Aleksandra M. Dramićanin^b, Ivanka Ž. Ćirić^b, Dušanka M. Milojković-Opsenica^c, Jelena B. Popović-Đorđević^d, Nebojša M. Momirović^d, Živoslav Lj.

Tešić^{c,*}

^aFaculty of Chemistry, University of Belgrade, P. O. Box 51, 11158 Belgrade, Serbia

^bInnovation Center, Faculty of Chemistry Ltd, 11158 Belgrade, Serbia

^cChair of Analytical Chemistry and Centre of Excellence for Molecular Food Sciences,
Faculty of Chemistry, University of Belgrade, P. O. Box 51, 11158 Belgrade, Serbia

^dFaculty of Agriculture, University of Belgrade, Nemanjina 6, 11080 Belgrade-Zemun, Serbia

*Corresponding author:

Živoslav Lj. Tešić

Address: Studentski trg 12-16, 11000 Belgrade, Serbia

Tel: +381113336733

Tel/Fax: +381112639357

E-mail: ztesic@chem.bg.ac.rs

Content

Table S1. LOD, LOQ, and the mean recoveries for quantitative analysis of polyphenolics.

Table S2. LOD, LOQ, and the mean recoveries for quantitative analysis of carbohydrates.

Table S1. LOD, LOQ, and the mean recoveries for quantitative analysis of polyphenolics.

Polyphenolic compound	LOD, mg/L	LOQ, mg/L	Recovery (%)
Gallic acid (1)	0.03	0.11	95
Protocatechuic acid (2)	0.02	0.06	96
Aesculin (3)	0.01	0.05	84
5-O-Caffeoylquinic acid (4)	0.02	0.07	100
<i>p</i>-Hydroxybenzoic acid (6)	0.14	0.48	99
<i>p</i>-Hydroxyphenylacetic acid (9)	0.10	0.33	89
Vanillic acid (13)	0.08	0.25	103
Caffeic acid (15)	0.03	0.11	98
Syringic acid (18)	0.05	0.15	105
Rutin (25)	0.01	0.04	99
Apigenin 8-<i>C</i>-glucoside (26)	0.04	0.13	96
<i>p</i>-Coumaric acid (27)	0.01	0.05	94
Hyperoside (30)	0.03	0.11	99
Cynaroside (31)	0.10	0.34	101
Vanillin (32)	0.07	0.22	93
Sinapic acid (33)	0.08	0.25	102
Ferulic acid (34)	0.15	0.50	98
Apiin (36)	0.07	0.23	110
Umbelliferone (37)	0.06	0.21	96
Conyferyl aldehyde (43)	0.11	0.37	92
Luteolin (46)	0.04	0.13	93
Quercetin (47)	0.05	0.18	92
Cinnamic acid (48)	0.13	0.42	95
Naringenin (49)	0.04	0.13	102
Apigenin (50)	0.03	1.10	88

Table S2. LOD, LOQ, and the mean recoveries for quantitative analysis of carbohydrates.

Carbohydrate	LOD, mg/L	LOQ, mg/L	Recovery (%)
Sorbitol (S1)	0.02	0.06	102
Trehalose (S2)	0.11	0.33	95
Arabinose (S3)	0.02	0.06	98
Glucose (S4)	0.56	1.67	103
Fructose (S5)	0.78	2.38	104
Sucrose (S6)	0.85	2.55	99
Galactitol (S7)	0.02	0.07	93
Ribose (S8)	0.03	0.09	107
Maltose (S9)	0.10	0.30	101
Xylose (S10)	0.02	0.05	104
Rhamnose (S11)	0.12	0.35	101
Mannose (S12)	0.24	0.72	109
Raffinose (S13)	0.14	0.43	103