

Analyses of flavonoids and phenolic acids were made by Reversed Phase-High Performance Liquid Chromatography (RP-HPLC), while the content of anthocyanins with the use of High Performance Liquid Chromatography (HPLC). The detailed procedure information can be found in our previous work cited in the reference list: Borczak, B.; Sikora, M.; Kapusta-Duch, J.; Fołta, M.; Szewczyk, A.; Zięć, G.; Doskočil, I.; Leszczyńska, T. Antioxidative Properties and Acrylamide Content of Functional Wheat-Flour Cookies Enriched with Wild-Grown Fruits. *Molecules* 2022, 27, 5531. <https://doi.org/10.3390/molecules27175531> [3].

Table S1. Total polyphenols, polyphenolic compounds' profile, antioxidant activity and acrylamide content of the tested cookies [3].

	Chokeberry (<i>Aronia melanocarpa</i>)	Wild rose (<i>Rosa canina</i> L.)	Elderberry (<i>Sambucus nigra</i> L.)	Hawthorn (<i>Crataegus</i> L.)	Rowan (<i>Sorbus aucuparia</i> L.)	Sea-buckthorn (<i>Hippophae rhamnoides</i> L.)	Control
Total polyphenols (mg·100g⁻¹ dm)	165.31±1.2 ^b	256.44±1.0 ^a	144.69±0.5 ^c	139.52±0.7 ^e	149.66±1.6 ^d	98.66±0.4 ^f	91.26±1.50 ^g
Phenolic acids (μg·100g⁻¹ dm)							
neochlorogenic acid	919.28±4.85 ^a	nd	nd	178.03±0.14 ^b	5366.52±12.11 ^c	nd	nd
protocatechuic acid	269.20±0.62 ^a	59.33±0.29 ^b	131.23±0.72 ^c	33.59±0.29 ^d	2244.69±0.90 ^c	nd	23.72±0.01 ^e
chlorogenic acid	1026.18±4.94 ^a	nd	nd	113.59±1.23 ^b	nd	51.00±0.87 ^d	nd
cinnamic acid	3.32±1.85 ^a	nd	nd	nd	77.18±0.04 ^b	nd	nd
caffeic acid	nd	nd	nd	nd	nd	nd	nd
vanillic acid	nd	nd	nd	nd	nd	nd	42.71±0.18
Flavanols (μg·100g⁻¹ dm)							
catechin	21.82±1.23 ^{ab}	45.60±20.17 ^b	14.05±0.12 ^a	23.73±1.23 ^{ab}	nd	11.70±0.52 ^a	nd
epicatechin	792.48±0.53 ^a	nd	nd	823.86±6.58 ^b	nd	nd	nd
Flavonols (μg·100g⁻¹ dm)							
quercetin							
quercetin-3-galactoside (hyperoside)	202.66±1.71 ^a	163.82±0.29 ^b	156.04±0.23 ^c	133.01±0.07 ^d	19.05±0.18 ^e	200.73±0.76 ^f	nd
kaempferol-7-O-glucoside (populnin)	237.19±3.17 ^a	156.33±0.98 ^b	nd	309.04±0.47 ^c	77.18±0.45 ^d	190.86±1.79 ^e	nd
rutin	nd	743.44±17.35	nd	nd	nd	nd	nd
	461.74±10.92 ^a	100.60±5.05 ^b	1083.20±1.40 ^c	133.04±0.08 ^d	126.34±0.80 ^e	304.96±2.06 ^f	nd
Flavones (μg·100g⁻¹ dm)							
apigenin-8-C-glucoside (vitexin)	nd	nd	nd	166.59±2.19	nd	nd	nd
	nd	nd	nd	nd	nd	294.36±0.26	nd

luteolin 7-O-glucoside (cynaroside)							
Anthocyanins ($\mu\text{g}\cdot 100\text{g}^{-1}\text{ dm}$)							
cyanidin-3-glucoside	78.05 \pm 0.36	nd	nd	nd	nd	nd	nd
(idaein)	nd	nd	376.1 \pm 11.42 ^a	279.95 \pm 3.31 ^b	nd	nd	nd
cyanidin-3-O-glucoside (kuromanine)							
Antioxidant activity							
ABTS ($\mu\text{mol}\cdot\text{g}^{-1}\text{ dm}$)	15.22 \pm 0.05 ^a	5.38 \pm 0.04 ^d	9.42 \pm 0.01 ^b	7.58 \pm 0.01 ^c	7.61 \pm 0.05 ^c	4.99 \pm 0.03 ^e	1.11 \pm 0.00 ^f
FRAP ($\mu\text{mol}\cdot\text{g}^{-1}\text{ dm}$)	17.47 \pm 0.05 ^b	26.12 \pm 0.83 ^a	11.37 \pm 0.17 ^e	12.30 \pm 0.17 ^d	13.66 \pm 0.16 ^c	9.83 \pm 0.27 ^f	2.46 \pm 0.08 ^g
Acrylamide content ($\mu\text{g}\cdot 1000\text{g}^{-1}\text{ dm}$)	81.98 \pm 0.95 ^a	173.90 \pm 0.54 ^d	120.26 \pm 1.09 ^b	524.96 \pm 1.98 ^f	370.63 \pm 1.76 ^e	136.06 \pm 0.65 ^c	1290.77 \pm 1.23 ^g

The results were presented as mean \pm sd. The values of the superscript with different letters in rows are significantly different at $p < 0.05$; nd-not detected.