表三、市售有機與慣行栽培糙米之抗氧化能力與抗氧化物質分析結果

Table 3. The antioxidant capacity and antioxidant materials analysis of market sell brown rice of organic and conventional cultivation.

Varieties	Samples	ORAC[z] (μM)	DPPH SE[y] (%)	Chelating ability ferrous ions (%)	Reducing power (%)	Total polyphenol (mg/100g)	Total flavonoid (mg/100g)
				Organic cultivation			
Taichung-Sen 10	1	111.2 e[x]	93.3 bcde	76.1 c	1.02 efg	42.6 g	3.78 i
	2	102.9 e	95.1 a	68.9 e	0.93 fg	37.9 h	7.38 h
	3	112.1 e	94.1 abc	88.8 a	1.21 bc	47.0 f	14.39 f
	4	106.7 e	93.5 abcde	82.1 b	1.01 efg	41.4 g	N.D.[w]
	5	1812.6 ab	92.7 cde	46.3 j	1.53 a	65.6 b	38.37 b
Kaohsiung 139	6	105.8 e	94.7 ab	73.2 d	1.13 cde	42.9 g	N.D.
	7	104.1 e	92.4 de	87.2 a	1.08 de	50.5 e	N.D.
	8	106.5 e	94.6 ab	65.9 f	1.05 ef	59.0 c	20.68 d
	9	1556.3 c	92.2 de	60.2 h	1.06 e	64.3 b	26.73 c
				Conventional cultivation			
Taichung-Sen 10	10	938.8 d	91.8 e	56.9 i	1.04 ef	54.7 d	10.33 g
	11	1618.3 bc	93.1 bcde	55.0 i	1.19 cd	76.4 a	57.54 a
	12	1156.3 c	91.9 e	67.6 ef	1.31 b	55.6 d	18.94 de
Kaohsiung 139	13	1908.6 a	91.8 e	63.4 g	1.53 a	64.9 b	39.60 b
	14	110.4 e	93.8 abcd	68.7 e	0.91 g	48.3 f	17.49 e

[z] ORAC: Oxygen radical absorbance capacity.

[y] DPPH SE: DPPH (α,α-diphenyl-β-picryhydrazyl) scavenging effects.

[x] The same letters are not significantly different 5% by LSD.

[w] N.D.: Not detected.