



INSTITUTE OF NUTRITION, MAHIDOL UNIVERSITY

Analytical Services Pricelist

Important note: Discount of 5% will be offered for customer when service cost has over \$3,000 USD.

7. BIOACTIVE COMPOUNDS

Analysis	Test Methods	Test duration (days)	Service cost (\$USD)
7.1 Inulin			
Fructans (Inulin + Fructo-oligosaccharides)	In-house method based on AOAC (2023) 997.08 and J. AOAC Inter, 2000 (Enzymes digest, GC)	20	316
Fructo-oligosaccharides (FOS)	In-house method based on AOAC (2023) 997.08 and J. AOAC Inter, 2000 (Enzymes digest, GC)	20	355
7.2 Isothiocyanates in cruciferous vegetables and products			
Total isothiocyanate ¹ (1 – 4 samples)	Cyclocondensation and HPLC	7	315
Total isothiocyanate ¹ (5 – 9 samples)	Cyclocondensation and HPLC	7	79
Total isothiocyanate ¹ (10 - 29 samples)	Cyclocondensation and HPLC	7	47
Total isothiocyanate ¹ (30 - 100 samples)	Cyclocondensation and HPLC	10	24
Sulforaphane ² (1 - 4 samples)	LC/MS-MS	7	323
Sulforaphane ² (5 - 9 samples)	LC/MS-MS	7	110
Sulforaphane ² (10 - 29 samples)	LC/MS-MS	7	91
Sulforaphane ² (30 - 100 samples)	LC/MS-MS	10	39
PEITC or BITC ² (1 - 4 samples)	Ammonia derivatization and LC/MS-MS	7	355
PEITC or BITC ² (5 - 9 samples)	Ammonia derivatization and LC/MS-MS	7	118
PEITC or BITC ² (10 - 29 samples)	Ammonia derivatization and LC/MS-MS	7	98
PEITC or BITC ² (30 - 100 samples)	Ammonia derivatization and LC/MS-MS	10	47
7.3 Hesperidin in products from citrus fruits			
Hesperidin ³ (1 - 4 samples)	LC/MS-MS	7	355
Hesperidin ³ (4 - 9 samples)	LC/MS-MS	7	118
Hesperidin ³ (10 - 29 samples)	LC/MS-MS	7	91
Hesperidin ³ (30 - 100 samples)	LC/MS-MS	10	71

Note: ¹ Applicable only for jelly or vegetable powder samples. For other types of samples, additional charges for sample preparation and method validation may be applied beyond this rate

² Applicable only for vegetable powder, fresh vegetables, sauces, or fat-free liquid samples. For other types of samples, additional charges for sample preparation and method validation may be applied beyond this rate.

³ Applicable only for liquid samples. For other types of samples, additional charges for sample preparation and method validation may be applied beyond this rate.

จัดทำ: วิมลรัตน์ มีทวี	ทบทวน: ศุจินตรา สมประชา	อนุมัติ: ครรชิต จุดประสงค์	วันที่ออกใช้: 3 กรกฎาคม 2569
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Analysis	Test Methods	Test duration (days)	Service cost (\$USD)
7.4 Others			
Total Polyphenol	Lu J, et al. J Agric Food Chem 2007	10	79
Antioxidant activity (ORAC) (Food)	Ou B, et al. J Agric Food Chem, 2001	10	138
Antioxidant activity (ORAC) (Oil)	Prior R.L. et al. J Agric Food Chem, 2003	10	355
Antioxidant activity (FRAP)	Benzie IF & Strain JJ. Anal Biochem 1996	10	99
Antioxidant Activity (DPPH)	Katsuke T. J Agric Food Chem 2004	10	99

Note: - This pricelist can be changed without prior notification.

- Fees of shipping and transfer payment are not included in this analytical service.

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