

Analytical and Technical Service Center
National Chiayi University

Food Inspection

Inspection Services

(A) Provision of analytical services
(B) technical guide and services delivery
(C) Assistance for establishment of quality control system
(D) New product development
(E) Commissioned training

A

Items
1. Moisture
2. Ash
3. Crude fat
4. Crude protein
5. Crude fiber
6. Cholesterol
7. Nutrition Facts
8. Dietary Fiber

B

Items
1. Total sugar
2. Reducing sugar
3. Fructose, HPLC
4. Glucose, HPLC
5. Sucrose, HPLC
6. Maltose, HPLC
7. Lactose, HPLC
8. Starch

C

Items
1. Specific density
2. Refractive index
3. SV
4. Melting point
5. AV
6. POV
7. Smoke point
8. Cholesterol
9. DHA 、 EPA
10. DHA 、 EPA 、 ALA
11. Fatty acid composition
12. <i>trans</i> fat
13. Saturated fatty acids

D

Items
Nutrition Composition
1. Total nitrogen
2. Formaldehyde nitrogen
3. Amino nitrogen
4. Asp, Cys, Phe, Thr, Val, Lys, Ser, Met, His, Glu, Ile, Arg, Gly, Leu, Pro, Ala, Tyr, NH ₃
Protein Freshness Index
5. Volatile basic nitrogen, VBN
6. Thiobarbituric acid, TBARS

E

Items
1. Cu
2. Mn
3. Sn
4. Cr
5. As
6. Pb
7. Cd
8. Fe
9. Zn
10. Ca
11. Mg
12. K

F

Items
1. Aerobic plate count
2. Coliform bacteria
3. <i>Escherichia coli</i>
4. Mold count
5. <i>Lactobacilli</i> count
6. Yeast count
7. <i>Staphylococcus aureus</i>
8. <i>Salmonella</i>
9. Enterobacteriaceae
10. <i>Listeria monocytogenes</i>

G

Items
1. Tartaric acid
2. Malic acid
3. Citric acid
4. Acetic acid
5. Lactic acid

H

Items
1. preservatives
2. SO ₂
3. Nitrite
4. Borate

I

Items
1. Total anthocyanidins
2. Flavonoids
3. Curcumin
4. Nobiletin
5. Tangeretin
6. Resveratrol
7. Genistin · Genistein · Daidzin · Daidzein · Glycitin · Glycitein
8. γ -GABA

J

Items
1.DPPH
2.Total phenols
3.SOD like activity
4. ABTS ⁺ assay
5.Reducing power

K

Items
1. Vit.A
2. Vit.C
3. Vit.E

L

Items
1.pH
2.Acidity
3.Brix
4.Total solids
5.Water activity
6.NaCl,Salt
7.Hydrogen peroxide
8.Methyl Alcohol (Methanol)
9.Ethanol
10. Aflatoxin G ₁ · B ₁ · G ₂ · B ₂
11.Caffeine

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