

生物測試領域認可項目、測試方法及偵測極限
本中心申請「財團法人全國認證基金會」(TAF 認證編號:0693)

項次	認可項目 scope accreditation	測試方法 Detection method	最佳能力(偵測極限) Method Detection Limit
1	水分 Moisture	CNS 2770-3 (1986)	重複差異 < 0.5 % (Duplicate difference < 0.5 %)
2	粗蛋白質 Crude protein	CNS 2770-5 (1986)	重複差異 < 1.0 % (Duplicate difference < 1.0 %)
3	粗脂肪 Crude fat	CNS 2770-4 (1986)	重複差異 < 1.0 % (Duplicate difference < 1.0 %)
4	粗纖維 Crude fiber	CNS 2770-8 (1986)	重複差異 < 1.0 % (Duplicate difference < 1.0 %)
5	粗灰分 Ash	CNS 2770-9 (1986)	重複差異 < 0.5 % (Duplicate difference < 0.5 %)
6	鹽酸不溶物 Insoluble in hydrochloric acid	CNS 2770-10 (1986)	重複差異 < 0.2 % (Duplicate difference)
7	鈣 Calcium	AOAC 968.08 (2005) AOAC 965.09C(a) (2005)	MDL = 108 ppm
8	磷 Phosphorus	AOAC 965.17 (2005) AOAC 968.08D(a) (2005) AOAC 965.09C(a) (2005)	MDL = 78 ppm
9	鎂 Magnesium	AOAC 968.08 (2005) AOAC 965.09C(a) (2005)	MDL = 164 ppm
10	銅 Copper	AOAC 968.08 (2005) AOAC 965.09C(a) (2005)	MDL = 1.3 ppm
11	鋅 Zinc	AOAC 968.08 (2005) AOAC 965.09C(a) (2005)	MDL = 2.7 ppm
12	鐵 Iron	AOAC 968.08 (2005) AOAC 965.09C(a) (2005)	MDL = 6.1 ppm
13	錳 Manganese	AOAC 968.08 (2005) AOAC 965.09C(a) (2005)	MDL = 0.8 ppm
14	鈉 Sodium	AOAC 968.08 (2005) AOAC 965.09C(a) (2005) AOAC 985.35E (2005)	MDL = 180 ppm
15	鉀 Potassium	AOAC 968.08 (2005) AOAC 965.09C(a) (2005) AOAC 985.35E (2005)	MDL = 322 ppm
16	鉛 Lead	AOAC 990.08F (2005)	MDL = 0.1 ppm
17	鎘 Cadmium	AOAC 990.08F (2005)	MDL = 0.05 ppm
18	砷 Arsenic	AOAC 990.08F (2005)	MDL = 0.25 ppm
19	汞 Mercury	AOAC 977.22 (2005)	MDL = 0.05 ppm
20	黃麴毒素 aflatoxin	MOHWT0001.04 (2020)	MDL B1 = 0.5 µg/kg B2 = 0.2 µg/kg G1 = 0.8 µg/kg G2 = 0.1 µg/kg
21	水解胺基酸 amino acids	AOAC 994.12 (2005)	各胺基酸組成分 MDL = 0.1 % (Amino acid)
22	中洗纖維 Neutral detergent fiber	AOAC 2002.04 (2005)	重複差異 < 1.0 % (Duplicate difference < 1.0 %)
23	酸洗纖維 Acid detergent fiber	AOAC 973.18 (2005)	重複差異 < 1.0 % (Duplicate difference < 1.0 %)

項次	非認可項目 Non-scope accreditation	測試方法 Detection method
24	可消化蛋白質 (蛋白質消化率) Digestible protein (Protein digestibility)	AOAC 971.09 (2005)
25	揮發性鹽基態氮 Volatile base nitrogen	CNS 2770-6 (1986)
26	乳脂肪 Milk fat	CNS 3444(瑞氏法) (2013)
27	油脂酸價 Acid value	AOAC 969.17 (2005)
28	飼料酸價 Feed acid value	CNS 2770-4 (1986)
29	鹽分 salinity	硝酸銀滴定法 Determination of NaCl by titration with silver nitrate
30	砷 Arsenic	石墨法 Graphite furnace atomic absorption
31	鉻 Chromium	AOAC 990.08F (2005) 、ICP
32	鈷 Cobalt	AOAC 968.08 (2005) 、AOAC990.08F (2005)
33	硒 Selenium	AOAC 990.08F (2005) 、ICP
34	氟 Fluorine	磷酸鈣類(Calcium phosphates)：CNS 4527 (2014) 飼料(Feed)：AOAC 975.08 (2005)
35	單一胺基酸 amino acids (only for Lys, Met, Thr, and Gly)	AOAC 999.13 (2005) (UPLC analysis Lys, Met, Thr, Gly)
36	酸鹼度 pH	AOAC 943.02 (2005)
37	均勻度 Evenness	台灣區飼料工廠混合機性能測定報告 Performance Test Report of Mixer in Taiwan Feed Factory
38	熱能 Thermal energy	熱卡儀 LECO AC500 Calorific Value LECO AC500
39	尿素酶活潑度 Urease activity	CNS 2770-14 pH 增值法 (1986)
40	氮 Nitrogen	CNS 2770-5 (1986)