

RQS® – Food [Chemistry & Contaminant] Testing PT Scheme (Code A)

PLEASE NOTE:

- (1) All food PT schemes include samples which are either standard concentrates or standard reference material, which contain levels of contaminants usually, found in food samples
- (2) Some Food Chemistry PT schemes (F-CH) includes additional certified Reference Material (CRM).
- (3) Food Microbiology sample depend on food matrices spiked with Reference culture.
- (4) Assigned value, Homogeneity and Stability performed by Subcontractor Lab.

	PT Analyte Code	Matrix	Analyte	Approx. Size
1.	F-CH-COM	Food & Feed	PT Sample for Determination of Purity [Sodium Chloride] in Food [Salt] by Titration	20 gm
2.			PT Sample for Determination of Purity of Potassium iodide [KIO ₃] in Food [Salt] by Titration	20 gm
3.			PT Sample for Determination of Nitrogen	30 gm
4.			PT Sample for Determination of Thio barbituric acid	30 gm
5.			PT Sample for Determination of total volatile nitrogen [TVN]	30 gm
6.			PT Sample for Determination of Protein	30 gm
7.			PT Sample for Determination of peroxide value	30 gm
8.			PT Sample for Determination of Fatty acid profile by using GC	30 gm
9.			PT Sample for Determination of sweeteners by HPLC	30 gm
10.			PT Sample for Determination of Brix	30 gm
11.			PT Sample for Determination of Specific gravity	30 gm
12.			PT Sample for Determination Refractive index	30 gm
13.			PT Sample for Determination of: Viscosity	30 gm

	PT Analyte Code	Matrix	Analyte	Approx. Size
14.			PT Sample for Determination of pH	30 gm
15.	F-CH-COM	Food & Feed	PT Sample for Determination of iodine value	30 gm
16.			PT Sample for Determination of SAP value	30 gm
17.			PT Sample for Determination of ester value	30 gm
18.			PT Sample for Determination of Rancidity	30 gm
19.			PT Sample for Determination of Essential oil composition	30 gm
20.			PT Sample for Determination of Volatile oil	30 gm
21.			PT Sample for Determination of crude fiber%	30 gm
22.			PT Sample for Determination of Conductivity in Food	30 gm
23.			PT Sample for Determination of anicidine value in oil	30 gm
24.			PT Sample for Determination of Dietary fiber %	30 gm
25.			PT Sample for Determination of Moisture%	30 gm
26.			PT Sample for Determination of Fat%	30 gm
27.			PT Sample for Determination of Ash%	30 gm
28.			PT Sample for Determination of acid in soluble ash%	30 gm
29.			PT Sample for Determination of caffeine	30 gm
30.			PT Sample for Determination of preservative	30 gm
31.			PT Sample for Determination of salt content	30 gm
32.			PT Sample for Determination of: Milk composition Lactose%, Protein%, Ash% , Moisture %, Fat%, Urea%	30 gm
33.			PT Sample for Determination of Vitamin A	30 gm
34.			PT Sample for Determination of Vitamin B	30 gm
35.			PT Sample for Determination of Vitamin C	30 gm

	PT Analyte Code	Matrix	Analyte	Approx. Size
36.			PT Sample for Determination of Vitamin D	30 gm
37.			PT Sample for Determination of Vitamin E	30 gm
38.			PT Sample for Determination of water activity	30 gm
39.	F-CH-COM	Food & Feed	PT Sample for Determination of colors	30 gm
40.			PT Sample for Determination of Total solid content	30 gm
41.			PT Sample for Determination of nitrite	30 gm
42.			PT Sample for Determination of nitrate	30 gm
43.			PT Sample for Determination of sugar, reducing sugar, Sucrose, Lactose, Total Sugars, Ethanol content in non-alcoholic beverages	30 gm
44.			PT Sample for Determination of Cholesterol , Bsitostterol & Stigmasterol	30 gm
45.			PT Sample for Determination of Nicotine	30 gm
46.			PT Sample for Determination of Polycyclic hydrocarbons (Benzo a pyrene)	30 gm
47.			PT Sample for Determination of melting point	30 gm
48.			PT Sample for Determination of Moisture and total P2O5 in Phosphate	30 gm
49.			PT Sample for Determination of Protein in skimmed milk by NIR	50 gm
50.			PT Sample for Determination of Fat % Milk product	50 gm
51.			PT Sample for Determination of pH Milk product	30 gm
52.			PT Sample for Determination of Total solids Milk product	30 gm
53.			PT Sample for Determination of Phosphorus in Milk powder by spectrophotometer	30 gm
54.			PT Sample for Determination of Acidity in Milk	30 gm
55.			PT Sample for Determination of lactose in milk	30 gm
56.			PT Sample for Determination of Falling Number in Flour	30 gm
57.			PT Sample for Determination of Crude Protein in Flour	30 gm
58.			PT Sample for Determination of NIACIN vitamin	30 gm

	PT Analyte Code	Matrix	Analyte	Approx. Size
59.			PT Sample for Determination of Sudan Days in Paprika	30 gm
60.			PT Sample for Determination of Benzoic Acid and Ascorbic acid in Beverage	30 gm
61.			PT Sample for Determination of PAHs 17 compound in Vegetable oil	30 gm
62.			PT Sample for Determination of nutrition chemistry in cereal based food matrix through the following items: Determination of Carbohydrate %Determination of Energy	100 gm
63.			PT Sample for Determination of Gluten in Wheat flour	30 gm
64.	F-CH-AA	Food	PT Sample for Determination of: Detection the adultration of maet authenticity,	30 gm
65.			PT Sample for Determination of: Detection the adulteration of Milk Product,	30 gm
66.			PT Sample for Determination of: Detection the adulteration of vegetable oil using FTNIR	30 gm
67.			PT Sample for Determination of: activity of Diastase enzyme in Honey, HMF in Honey	30 gm
68.	F-CH-PEST	Food & Feed	PT Sample for Determination of: Pesticide residues	3 unit + Blank
69.			PT Sample for Determination of: PCBs	
70.			PT Sample for Determination of: Histamine	
71.	F-CH-HM	Food & Feed	PT Sample for Determination of: cupper, iron, lead, cadmium, Total Phosphorus , Sodium Nitrate , Sodium, Iron, Calcium, Arsenic, Mercury, lead, potassium , Pb, Cd , Hg , Mn, zinc,	20 gm
72.	F-CH-MYC	Food & Feed	PT Sample for Determination of: Aflatoxin	30 gm
73.			PT Sample for Determination of: Ochratoxin A	30 gm
74.			PT Sample for Determination of: Zearalenone	30 gm

	PT Analyte Code	Matrix	Analyte	Approx. Size
75.			PT Sample for Determination of: ractopamine	30 gm
76.			PT Sample for Determination of: Malachite green	30 gm
77.			PT Sample for Determination of: Aminoglycosides	30 gm
78.			PT Sample for Determination of: Aflatoxine [B1,B2 ,G1 ,G2]	30 gm
79.			PT Sample for Determination of Aflatoxin M1	10 gm
80.	F-CH-CON	Food	PT Sample for Determination of: Bisphenol A	
81.	F-CH-ANT	Food	PT Sample for Determination of Oxytetracycline	
82.			PT Sample for Determination of Beta-Lactam antibiotic	
83.			PT Sample for Determination of Chloramphenicol	
84.			PT Sample for Determination of trenbolone residue by ELISA	
85.			PT Sample for Determination of Quinolones by ELISA	
86.			PT Sample for Determination of Ciprofloxacin	
87.			PT Sample for Determination of Tetracycline	
88.			PT Sample for Determination of Penicillin	
89.			PT Sample for Determination of sulfamethazine	
90.			PT Sample for Determination of Erythromycin	
91.	F-CH-AL	Food	PT Sample for detection of milk Allergen by using ELISA	
92.			PT sample for Detection of Gluten allergen by using ELISA	
93.	F-CH-AD	Food	Determination of 5 Heavy metal (Hg, Cd, As, Pb & Cr) In feed additive [di calcium phosphate]	
94.			Determination of Total P2O5 In feed additive [di calcium phosphate]	
95.			Determination of Ca In feed additive [di calcium phosphate]	
96.			Determination of Fluoride (F) In feed additive [di calcium phosphate]	

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