

## GOVERNMENT NOTICE No. 22

## TRINIDAD AND TOBAGO

## CHEMIST DIVISION, MINISTRY OF HEALTH AND HOUSING

## (GOVERNMENT LABORATORY)

## REVISED SCALE OF FEES

TO BE PAID INTO THE TREASURY BY FIRMS AND PRIVATE PERSONS FOR ANALYTICAL AND OTHER SERVICES PROVIDED BY THE CHEMIST DIVISION, MINISTRY OF HEALTH AND HOUSING

*Manures, fertilizers, lime and marl*

Determination of nitrogen... (AOAC method)	...	ammoniated N	...	} \$12.00 each
	...	total N	...	
	...	nitrate N	...	
	...	water insoluble N	...	
Determination of phosphorus (AOAC methods)	...	total P	...	\$30.00
	...	water soluble P.	...	\$30.00
	...	citrate insoluble P...	...	\$45.00
Determination of potash	...	...	...	\$30.00
Determination of lime in lime, limestone, or marl	...	...	...	\$10.00
Determination of other constituents in lime (silica, mixed oxides, magnesia, &c.)	...	...	...	\$10.00 each

*Animal feeding stuffs, poultry feeds, grains, &c. (AOAC methods)*

Crude protein	...	...	...	\$ 5.00
Ash	...	...	...	\$ 3.00
Crude fat or ether extract	...	...	...	\$ 7.00
Crude fibre	...	...	...	\$15.00
Grit in feeds	...	...	...	\$ 5.00

*Sugar, Sugar Products, &c. (AOAC methods)*

Polarisation on sugar (I.C.U.M.S.A. method)	...	...	...	\$ 2.00
Total sugar, invert sugar in molasses	...	...	...	\$10.00 each
Specific gravity or refractive index of molasses	...	...	...	\$ 5.00
Total solids	...	...	...	\$ 5.00
Ash	...	...	...	\$ 3.00
Moisture in molasses	...	...	...	\$ 5.00
Glucose in corn syrup	...	...	...	\$10.00
Dirt in sugar, syrups, &c.	...	...	...	\$ 5.00

See also fees for " Food and Drugs " and " Trace metals in foods ".

*Essential Oils, (BSI and AOAC methods)*

Optical rotation	...	(B.S. 2073: 1953)	...	\$ 2.00
Specific gravity, refractive index	...	(B.S. 2073: 1953)	...	\$ 5.00 each
Acid value and ester value	...	(B.S. 2073: 1953)	...	\$10.00 each
Solubility in alcohol	...	(B.S. 2073: 1953)	...	\$20.00

Qualitative tests and other determinations may be carried out.

*Oils, fats, waxes, tallow, grease, polishes, &c.* (BSI and AOAC methods)

Oil or fat content of a material (ether extract)	...	...	...	...	\$10.00
Saponification value, titre test, free acid of an oil or fat	...	...	...	...	\$ 5.00 each
Unsaponifiable matter, impurities	...	...	...	...	\$10.00
Identification of an oil, fat or wax	...	...	...	...	\$20.00–\$60.00
Detection and determination of adulterants in an oil	...	...	...	...	\$20.00–\$60.00
Test for rancidity	...	...	...	...	\$ 5.00
Moisture content	...	...	...	...	\$ 5.00

Other determinations on oils, fats, &c., may be carried out (*see* under Food and Drugs)

*Soaps, cleansers, inorganic detergents, synthetic detergents.*

Analysis of a laundry soap for compliance with the Copra, Copra products and Laundry Soap Regulations, 1943	...	...	...	...	\$25.00
Analysis of a toilet soap for compliance with B.S. 1914 : 1953	...	...	...	...	\$60.00
Analysis of soap flakes for compliance with B.S. 1912 : 1953	...	...	...	...	\$60.00
Analysis of a carbolic soap for compliance with B.S. 1910 : 1953	...	...	...	...	\$60.00
Total fatty matter in a soap	...	...	...	...	\$10.00
Free fatty acid or alkali in a soap	...	...	...	...	\$10.00
Soap content of cleansing materials	...	...	...	...	\$15.00

Inorganic alkaline detergents (caustic soda, soda, sodium silicates, phosphates and borax) may be analysed according to ASTM methods for fees in the range \$5.00–\$50.00 to be fixed by the Chief Chemist. Synthetic detergents may be analysed according to the methods of the ASTM and the Society for Analytical Chemistry. Qualitative tests may also be carried out.

*Polymers (Resins, Plastics, Synthetic Rubbers, Synthetic Fibres)*

Identification of a polymer	...	...	...	...	\$15.00–\$75.00
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It may be possible to carry out certain other tests and quantitative analyses.

*Metals and Alloys* (ASTM methods)

Identification of a metal or alloy	...	...	...	...	\$25.00
Qualitative analysis of an alloy	...	...	...	...	\$25.00
Quantitative analysis of an alloy—one major constituent (i.e. more than 10% of alloy)	...	...	...	...	\$25.00
Quantitative analysis of an alloy—two major constituents	...	...	...	...	\$30.00
Quantitative analysis of an alloy—three major constituents	...	...	...	...	\$35.00
Quantitative analysis of an alloy—one minor constituent (i.e. less than 10% of alloy)	...	...	...	...	\$30.00
Quantitative analysis of an alloy—two minor constituents	...	...	...	...	\$40.00

*Trace metals and residues in foodstuffs, drugs, beverages, for compliance with the Food and Drug Regulations of Canada, Trinidad, United Kingdom and United States of America. (AOAC methods)*

Lead in foodstuffs, drugs, beverages (free from tin) ... ..	\$45.00
Copper in foodstuffs, drugs, beverages ... ..	\$45.00
Lead and copper in the same samples ... ..	\$60.00
Arsenic in foodstuffs, &c. ... ..	\$60.00
Tin in foodstuffs, &c. ... ..	\$50.00
Zinc in foodstuffs, &c. ... ..	\$50.00

Pesticide residues in foodstuffs—analysis not yet undertaken : this type of analysis may be available and fees will then be published.

*Ores, Minerals, Rocks, Clays*

Identification of a single mineral or rock ... ..	\$25.00—\$50.00
Qualitative analysis of an ore, rock or mineral ... ..	\$10.00—\$50.00
Estimation of major elements in a rock (i.e. constituting 10% or more)—one element ... ..	\$25.00—\$75.00
Estimation of major elements in a rock (i.e. constituting 10% or more)—two elements ... ..	\$30.00—\$75.00
Assay of quartz for gold ... ..	\$25.00
Silica, limestone, mixed oxides in sand ... ..	\$25.00

When a sample of ore or rock is submitted, an indication of the locality from which it was obtained should be given.

*Petroleum Products*

Specific gravity ... ..	\$ 5.00
Flash point determination (IP method) ... ..	\$10.00
Distillation range (IP, ASTM and BSI methods) ... ..	\$15.00—\$25.00
Estimation of sulphur ... ..	\$15.00
Viscosity determination ... ..	\$10.00
Estimation of paraffin wax ... ..	\$10.00
Tetra-ethyl lead content of gasoline ... ..	\$20.00
Aniline point ... ..	\$ 5.00
Ash content ... ..	\$ 5.00
Residue on evaporation ... ..	\$10.00
Water content ... ..	\$ 5.00
Any other constituent ... ..	\$10.00—\$25.00

*Food Analyses*

Fat in milk ... ..	\$ 1.00
Fat in powdered milk ... ..	\$ 5.00
Fat in butter, ghee, &c. ... ..	\$ 5.00
Presence of water in milk ... ..	\$10.00



Comparison of thermometers, hydrometers, (except Sykes' hydrometer) with standards certified by N.P.L. of United Kingdom ... ..	\$ 5.00
Comparison of metric weights with weights certified by N.P.L. of United Kingdom ... ..	\$15.00
Measurement of pH of aqueous solutions ... ..	\$10.00
Preparation and standardisation of standard reagent solutions ; cost of chemicals and containers plus fixed charge of ... ..	\$ 5.00 per litre or <i>pro rata</i>
Percentage of cotton in a fabric ... ..	\$ 5.00-\$10.00
Identification of fibres in a fabric ... ..	\$ 5.00-\$30.00
Contamination with sea water ... ..	\$ 5.00
Opinion on any chemical matter ... ..	\$ 5.00-\$40.00
<i>Document Examination</i>	
Identification of handwriting ... ..	\$30.00-\$50.00
Identification of typewriting ... ..	\$30.00-\$50.00
Comparison of and differentiation between various writing and printing inks ... ..	\$15.00-\$50.00
Deciphering of indented writing ... ..	\$20.00-\$40.00
Detection of tampering, alterations, erasures, obliterations, &c. ... ..	\$15.00-\$30.00
Comparison of papers ... ..	\$15.00-\$30.00
Comparison of glues and adhesives... ..	\$20.00-\$30.00
Identification of the work of various printing and duplicating machines ... ..	\$15.00-\$30.00
Examination of currency notes ... ..	\$10.00
Examination of coins ... ..	\$10.00
Deciphering of 'invisible' writing ... ..	\$15.00-\$30.00
Physical matching of torn paper ... ..	\$10.00
Examination of typewriter ribbons, carbon paper, &c. ... ..	\$10.00
Determination of sequence of writing ... ..	\$10.00

The fees specified above are to be paid into the Treasury before any sample is analysed. A reduction in the fee for each sample may be made for a series of similar samples submitted at regular intervals.

The analytical methods used may be those of the A.S.T.M., A.O.A.C., B.S.I. or other methods recognised as suitable, and should be specified where applicable.

Attendance of officers of the Chemist Division at Court is not included in the scale of fees.

#### *Miscellaneous Chemical Tests and Determinations*

Some of the following materials can be analysed at the Government Laboratory ; the public is advised to consult the Chief Chemist before submitting samples. Fees will be fixed by the Chief Chemist.

Lacquers ; paints ; printing inks ; dyes (also those used as food colours) ; insecticides, pesticides, weedkillers and fungicides as concentrates or as used ; baking powders ; spices and condiments ; solvents ; thinners ; disinfectants ;

plasticizers ; certain drugs ; asphalt ; cement ; concrete ; sand ; cosmetics ; lotions, &c. ; textiles of natural fibres and mixtures of natural and synthetic fibres ; electroplating materials ; corrosion tests ; chemicals (tests for purity, determination of impurities) ; cocoa beans and cocoa products ; copra and copra products ; citrus products ; vegetable and plant materials ; papers ; adhesives ; atmospheric pollution ; gas analysis ; urine ; blood, bio-chemical specimens, &c. Other analyses may be possible, and the public is advised to enquire if any analysis can be performed on any material not mentioned above.

#### *Information Services*

The laboratory has a small library covering chemical, technical, commercial and legal aspects of many subjects of commercial interest. Several journals covering the fields of manufacturing chemistry, pharmaceuticals, chemical industry, food technology, analytical chemistry, and general chemistry, are received, and abstracts of most patents dealing with all aspects of chemical industry are available. Suitable safety precautions for industries using dangerous and toxic materials can be suggested.

The scale of fees published with the Gazette of 6th February, 1948, as Government Notice No. 34 of 1948 is hereby cancelled.

Dated this 15th day of November, 1962.

L. ALAN REECE  
*Secretary to the Cabinet*

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GOVERNMENT NOTICE No. 23

TRINIDAD AND TOBAGO

THE AID TO PIONEER INDUSTRIES ORDINANCE, CH. 33. No. 3  
ORDER

MADE BY THE GOVERNOR-GENERAL UNDER SECTION 3 (1) OF THE  
AID TO PIONEER INDUSTRIES ORDINANCE

THE AID TO PIONEER INDUSTRIES (METAL SCREEN WIRE  
CLOTH) ORDER, 1963

1. This Order may be cited as the Aid to Pioneer Industries (Metal Screen Wire Cloth) Order, 1963.

2. The weaving of metal screen wire cloth is hereby declared to be a pioneer industry and metal screen wire cloth is hereby declared to be the pioneer product of that industry.

Made by the Governor-General this 17th day of January, 1963.

L. ALAN REECE  
*Secretary to the Cabinet*

(IDC/I/1761).