

First Amendment

Managing Quality in Egypt

A directory of services for SMEs

March 2019

Amendments related to data about "Chemical Administration"

SN	page	title of clause in guideline	addendum				
1	10	Acronyms	<p style="text-align: center;">CA</p> <p style="text-align: center;">Chemistry Administration</p>				
2	22-26	Table 1: Government testing laboratories ₁	<p>Replace first part of the table</p> <p>Attached a table with all Administration laboratories and its capabilities, tests and instruments.</p>				
3	101	<p>Annex I</p> <p>Relevant organizations in Egypt</p> <p>1. Relevant National Organization (Public Sector)</p>	<table border="1"> <thead> <tr> <th>Organization</th> <th>Activities / Other Activities</th> </tr> </thead> <tbody> <tr> <td> <p>Chemistry Administration</p> <p>Headquarters Address:</p> <p>12 Ramses street,</p> <p>postal code 11522-</p> <p>Cairo</p> <p>Email:chemistry@chem-admin.cloud.gov.eg</p> <p>Website: www.chem-admin.eg</p> <p>Tel: +2(02)25743103 -</p> <p style="padding-left: 40px;">+2(02)25762902</p> <p>Fax: +2(02)25740750</p> </td> <td> <p><u>Activities:</u></p> <p>-Laboratories testing fields:</p> <p>chemical, physical, mechanical, environmental and microbiological</p> <p>-Practical training</p> <p>-Technical consulting services</p> </td> </tr> </tbody> </table>	Organization	Activities / Other Activities	<p>Chemistry Administration</p> <p>Headquarters Address:</p> <p>12 Ramses street,</p> <p>postal code 11522-</p> <p>Cairo</p> <p>Email:chemistry@chem-admin.cloud.gov.eg</p> <p>Website: www.chem-admin.eg</p> <p>Tel: +2(02)25743103 -</p> <p style="padding-left: 40px;">+2(02)25762902</p> <p>Fax: +2(02)25740750</p>	<p><u>Activities:</u></p> <p>-Laboratories testing fields:</p> <p>chemical, physical, mechanical, environmental and microbiological</p> <p>-Practical training</p> <p>-Technical consulting services</p>
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Table 1: Government testing laboratories

Laboratory	Group of products, materials or items tested	Laboratory capabilities or Specific tests
Chemical administration – Ministry of Trade and Industry		
Construction products	Cement, gypsum, concrete, bricks, sand, marble, limestone, granite and cement tile and other products	<p>All tests are conducted according to Egyptian and International Standards</p> <ul style="list-style-type: none"> -Chemical, physical and mechanical analysis of all products -Determination of: <ul style="list-style-type: none"> -Metal oxides -Anions -Impurities -Cr (IV) -Initial and final setting time -Compression resistance of cement -Water of hydration -Fineness testing equipment of cement -Vibrating machine -Abrasion resistance testing machine of cement -Flame Photometer -UV-VIS Spectrophotometer -Other tests and instrumentation
Refractories and Ores	<ul style="list-style-type: none"> -Natural ores and silica ores. -Glass, porcelain, glass, sand and ceramic tiles. -Metal oxides, glass utensils, ceramic utensils, talcum powder, grinding stone, refractory brick, health tools and other products 	<p>All tests are conducted according to Egyptian and International Standards</p> <ul style="list-style-type: none"> -Chemical, physical and mechanical analysis of all products -Complete analysis of ores -Determination of metal oxides -Bending strength test machine -Crushing strength test machine --Surface abrasion testing machine -Deep abrasion testing machine -Flame Photometer -X- ray fluorescence (XRF) -X- ray diffraction (XRD) -Other tests and instrumentation
Paints and varnishes		<p>All tests are conducted according to Egyptian and International Standards</p> <ul style="list-style-type: none"> -Chemical and physical analysis of all products -Hiding power of paint Resistance of paints to temperature and humidity -Photostability Resistance to solvents -Flash point measurement -Viscometer -Fineness Gage -Film applicator -Automatic drying timer -Cylindrical mandrel bend tester -Hiding power charts -Micro tri gloss (20⁰-60⁰-85⁰) -Accelerated weathering tester -Automatic scratch tester -Abrasion resistance tester -Wet scrub -Shock deformation tester -Cross-cut tester -Pendulum hardness tester

Laboratory	Group of products, materials or items tested	Laboratory capabilities or Specific tests
		-FTIR -Other tests and instrumentation
Metals and alloys	-All metals and alloys -Other products	All tests are conducted according to Egyptian and International Standards -Physical, mechanical and chemical analysis of all products -Hardness tester -Optical emission spectrometer (OES) -Other tests and instrumentation
Metallurgical products	-Pins, nails, batteries and electric wires -Faucets, cutlery, razors and plugs -Fire extinguishers -Brake lining -Other products	All tests are conducted according to Egyptian and International Standards -Physical and mechanical analysis of all products -Microscopic analysis -Performance tests -Resistance box for measuring the battery voltage -Other tests and instrumentation
X-ray fluorescence	Solid and powder minerals, silicon chips, cellulosic materials, pigments, paints, metal oxides, coke and petroleum products and other products	- All tests are conducted according to Egyptian and International Standards Determination of elements (F-U) -Identification of unknown samples -X-ray Fluorescence (XRF) -Other tests and instrumentation
Microanalysis	-Food and industrial products -Fatty acids, pesticides, vegetable oil, animal fat, caffeine and essential oil -Food additives and food preservatives -Drinking water and bottled water -Packaging and wood -fluoroprotein -Organic solvent -Malt beverage -Juice -Gelatin -Other products	All tests are conducted according to Egyptian and International Standards -Determination of: -Oil -Fatty acids -Sorbate and benzoate -Surface tension -Food additives -Ethanol in malt beverage -Elements concentration (ppm) -Fire retardant coating test -HPLC, GC, GC-MS and FTIR - Atomic Absorption spectrometer (AAS) -Inductively Coupled Plasma (ICP) -Karl Fischer Titrator -Other tests and instrumentation
Soap and synthetic detergents	-Household detergent -Synthetic detergent -soap -Carboxymethyl Cellulose -Varnishes -Other products	All tests are conducted according to Egyptian and European directives -Physical properties measurements -Determination of: - Active ingredient in detergent -Anions in detergents -Acid value of fatty acid -Fatty acids -Saccharides

Laboratory	Group of products, materials or items tested	Laboratory capabilities or Specific tests
		<ul style="list-style-type: none"> -Glycerin percentage -Oxygen releasing agent -Reducing agent and oxidizing agent -performance tests of varnishes -Other tests and instrumentation
Petroleum products	<ul style="list-style-type: none"> -All Lubricants -coal -Bitumen -Transformer oil -Fuels -Rust inhibitors -Asphalt -Other products 	<p>All tests are conducted according to Egyptian and International Standards</p> <ul style="list-style-type: none"> -Physical properties Determination of: <ul style="list-style-type: none"> -Refractive index -Flash point -Softening degree in bitumen -Dielectric strength in transformer oil -Rate of copper strip corrosion -Maximum calorific value -Octane number -Furan compounds -Pour and cloud degrees in crude oil -Bitumen penetration point -Dotting degree in lubricant -Carbon residue in petroleum products (Conradson method) -Ductility test -Degree of distillation in petroleum -Smoke level in lubricants -Emulsification time -Aromatic compounds and glues in gasoline -Negative viscosity in liquid petroleum -Hydrocarbons and additives -Total base number -Sulfur in coal and petroleum products -All coal tests -Lovibond equipment for color degrees -Cloud and pour point analyzer -<i>Calorific value testing</i> equipment -Copper strip corrosion tester - Flash point tester (open and closed cup flash point) -Other tests and instrumentation
Textile testing	<ul style="list-style-type: none"> -Fiber -Yarn -Woven fabrics (cotton, wool, polyester) -Cotton upholstered -Carpet -Medical supplies: Gauze, cotton and support bandage -Other products 	<p>All tests are conducted according to Egyptian and International Standards</p> <ul style="list-style-type: none"> -Chemical, physical and mechanical analysis of all products -Flammability test -Color fastness to light test -Identification of fibers whether virgin or recycled -A microscope view of a fabric -Color fastness to washing -Tensile strength of fiber -Yarn hairiness test -Slipperiness and coefficient of friction on carpets -Identification of yarn number -Other tests and instrumentation

Laboratory	Group of products, materials or items tested	Laboratory capabilities or Specific tests
Paper and stationery	<ul style="list-style-type: none"> -All types of paper and cardboard -Cushitic paper -Napkins -Diapers -Filter paper -Pens -Chalk -Other products 	<p>All tests are conducted according to Egyptian and International Standards</p> <ul style="list-style-type: none"> -Microscope view of paper -Paper opacity test -paper whiteness test -Flammability test -Color fastness to light -Color fastness to light -Performance tests of pens and chalk <p>-Other tests and instrumentation</p>
Tobacco	<ul style="list-style-type: none"> -Raw tobacco -Cigarettes -Tobacco pipe -Tobacco molasses Other products 	<p>All tests are conducted according to Egyptian and International Standards</p> <ul style="list-style-type: none"> -Physical and chemical analysis of all products -Nitrogen content -Nicotine content -Anions <p>-Other tests and instrumentation</p>
Alcohols and cosmetics	<ul style="list-style-type: none"> -Alcoholic beverages -Shampoo -hair conditioner -Deodorant -Aromatic oil -Cosmetics -Personal care products -Hair colorants -Toothpaste -Other products 	<p>-All tests are conducted according to Egyptian and International Standards</p> <ul style="list-style-type: none"> - Alcohol by volume -Percentage of denatured alcohol -Refractive index -Heat stability of cream -Alcohol content in vinegar -Active ingredient in personal care products -Rancidity test of oil -Alcohol hydrometer -Alcohol meter <p>Other tests and instrumentation</p>
Plastic and rubber	<ul style="list-style-type: none"> -Multicolored melamine cutlery -Formica panels -PVC panels -Industrial sponge -Toothbrushes -Polyethylene -Rubber products --Tire inner tubes -Other products 	<p>All tests are conducted according to Egyptian and International Standards</p> <ul style="list-style-type: none"> -Physical, mechanical and chemical analysis of all products -Determination of rubber and plastic content in clothing products -Flammability test -Identification of plastic and rubber whether virgin or recycled -Differential scanning calorimetry (DSC) -Melt flow indexer -FTIR (solid and liquid) -Impact testing machine -Tensile testing machine -Pendulum impact tester <p>-Other tests and instrumentation</p>
Leather lab	<ul style="list-style-type: none"> -Natural and synthetic leather -Leather products -Other products 	<p>All tests are conducted according to Egyptian and International Standards</p> <ul style="list-style-type: none"> -Physical and mechanicals tests -Nitrogen content -Fire resistance test -Fat content -Tensile strength tester -Hardness tester

Laboratory	Group of products, materials or items tested	Laboratory capabilities or Specific tests
		-Bending strength tester -Kjeldahl apparatus - Other tests and instrumentation
Inorganic chemicals	-Inorganic raw materials and products -Fertilizers -Fire extinguishing powder -Safety matches -Liquid laundry blue -Other products	All tests are conducted according to Egyptian and International Standards -Physical and chemical tests -Assay -Complete analysis of fire extinguishing powder -Cations and anions -Flame photometer - Other tests and instrumentation
Organic chemicals	-Organic raw materials and products -Glass cleaner liquid -Animal based glue -Paraffin wax -Optical brightening agent -Technic -Organic dyes -Arabic gum -Gelatin -Thinner -Henna - Other products	All tests are conducted according to Egyptian and International Standards -Physical and chemical tests -Assay -Crystallization point of acid -Fat content in glue -Refractive index - Particle size of urea -Optical microscope - Other tests and instrumentation
Water and environmental analysis	-Surface water -Groundwater -Drinking water -Industrial waste water -Bottled mineral water -Swimming pools - Other products	All tests are conducted according to Egyptian and International Standards -Anions and cations -Total organic carbon (TOC) -Dissolved oxygen (DO) -Total dissolved salts (TDS) -Electrical conductivity -Turbidity -Salinity -Phenol content -Total hardness -Cr (VI) -Total suspended solid (TSS) -Chemical oxygen demand (COD) -Biochemical oxygen demand (BOD) -Ion chromatograph -Oil content analyzer -Conductivity meter -Filter photometer -Flame photometer - Other tests and instrumentation
Inks	-Inks used for printing on all packaging materials -Inksfor all printers	-All tests are conducted according to Egyptian and International Standards -Assay -Performance test

Laboratory	Group of products, materials or items tested	Laboratory capabilities or Specific tests
Hazardous chemicals and unknown chemicals	<ul style="list-style-type: none"> -Additives for inks -Adhesives -Pigments - Other products -Unknown chemicals -Raw materials - Other products 	<ul style="list-style-type: none"> -FTIR -Other tests and instrumentation -Identification of unknown chemicals -Identification of hazardous chemicals -identification of dual-use chemicals -FTIR -Other tests and instrumentation
Food	<ul style="list-style-type: none"> -Milk and dairy products -Juices -canned meat -Cereals -vegetable oils -Carbohydrates -Spices -Candy -Caffeinated beverages - Other products 	<p>All tests are conducted according to Egyptian and International Standards</p> <ul style="list-style-type: none"> -Physical and chemical tests -Color intensity for oil and sugar -Polarization test -Refractive index -Flash point -Near Infrared -Polarimeter -UV-VIS spectrophotometer -Refractometer -Other tests and instrumentation
Microbiology	<ul style="list-style-type: none"> -All industrial and food products -Drinking water -Industrial waste water - Other products 	<p>All tests are conducted according to Egyptian and International Standards</p> <ul style="list-style-type: none"> -Microscopic analysis of microorganisms -Total count (aerobic and anaerobic bacteria) -Total count (yeast and fungi) -Total coliform group -Fecal coliform -pathogenic bacteria -Algae -Aflatoxin -Autoclave -Stomacher -Incubator -Other tests and instrumentation