

## Laboratories & Quality Affairs

Water Authority of Jordan

Laboratories & Quality Affairs

Water Analysis, Sampling, Historical Water Quality

Data, Training and other Services Price Lists

*"Continued growth is surely expected with our exceptional facility and dedicated and professional staff, building on our solid history of accurate testing with trusted results."*

### Submitting Samples:

Samples should be submitted directly through Sample Reception Area at the Lab facility. We provide empty sampling containers, tools and technical assistance for collecting and preserving samples according to the requirements of the World Health Organization (Guidelines for Drinking Water Quality, Surveillance and Control of Community Supplies) and the Standard Methods for the Examination of Water and Wastewater 23<sup>rd</sup> edition.

### Confidentiality:

WAJ Labs assumes full responsibility, through legally enforceable commitments, for the confidentiality of all information obtained or created during the performance of services for the customers unless released by customer written notification

### Analytical Capabilities:

Laboratories and Quality Affairs employ state-of-the-art equipment capable of handling a wide range of analytical tasks; we have got accreditation from the Accreditation Unit / Jordanian accreditation System according to the International Standard IEC/ISO 17025, certificate number: **JAS Test - 097**

Refer to current Schedule of Accreditation for Sampling and analysis status of accreditation and water matrix details for each testing method available at:

<http://www.au.gov.jo/AU/accreditationlaboratories/>

and

[http://www.mwi.gov.jo/ebv4.0/root\\_storage/ar/eb\\_list\\_page/scope\\_of\\_accreditation.pdf](http://www.mwi.gov.jo/ebv4.0/root_storage/ar/eb_list_page/scope_of_accreditation.pdf)



Refer to current Water Analysis, Sampling, Historical Water Quality Data, Training and other Services Price Lists available at:

[http://www.mwi.gov.jo/ebv4.0/root\\_storage/ar/eb\\_list\\_page/waj\\_labs\\_services\\_price\\_lists.pdf](http://www.mwi.gov.jo/ebv4.0/root_storage/ar/eb_list_page/waj_labs_services_price_lists.pdf)

**A-Water and Wastewater Analysis Services Price List****1- Drinking Water Chemistry**

Analysis	Method Used	SM Method Number	*Result Release	Unit Price (JD / Sample)
pH	Electrometric-Metrohm	4500 HB	5	2
	Electrometric-Orion			
Electrical Conductivity	Laboratory Method ( Orion )	2510 B	5	2.5
	Laboratory Method ( Hanna )			
Electrical Resistivity	Calculation from EC	2510 B	5	2.5
Turbidity	Nephelometric Method	2130 B	5	4
Total Dissolved Solids	Calculation by Factor to EC Ratio	1030E	5	2.5
Total Dissolved Solids (Ca, Mg, Na, K, NO <sub>3</sub> , Cl, SO <sub>4</sub> , SiO <sub>2</sub> , HCO <sub>3</sub> , CO <sub>3</sub> , F)	Calculation by Analysis and Summation	1030 E	10	80
Calcium, Magnesium, Potassium, Sodium	Ion Chromatography	In-house	10	11 each
Bromide, Chloride, Nitrite, Nitrate, Sulfate	Ion Chromatography	4110_B	10	11 each
Nitrate	Ion Chromatography	4110 NO <sub>3</sub> -B	10	11
Boron	Spectrophotometer Azomethine-H	Soil analysis Part 2/Second Edition 25-S	10	15
Sulfide	Iodomertic	4500 F	5	9
Silica	Heteropoly Blue Method	4500 C	10	15
Ammonium	Colorimetric Method	EPA Nessler method 8038	5	15
Ortho -Phosphate	Stannous Chloride/Agi	4500-P D	5	10
	Stannous Chloride			
Carbonate, Bicarbonate, Hydroxide	Potentiometric Titrimetric	2320 B	10	10 each
	Titrimetric-manual			
Alkalinity	Potentiometric Titrimetric	2320 B	10	10
	Titrimetric-manual			
Hardness as CaCO <sub>3</sub>	EDTA Titrimetric	2320C	10	10
	Ion Chromatography	2320B		
Color	Colorimetric Method	DIN ISO6271-2 340nm	5	8

Analysis	Method Used	SM Method Number	*Result Release	Unit Price (JD / Sample)
Anionic Surfactants (ABS)	Colorimetric	Operating Manual	5	20
Fluoride	Colorimetric SPADNS Method	4500 F D	10	10
# Sodium Adsorption Ratio SAR (Na, Ca, Mg)	by calculation	In-house Method	6	33
<b>Heavy Metals:</b> Iron, Manganese, Nickel, Lead, Cadmium, Cobalt, Chromium, Copper, Silver, Lithium, Aluminum, Beryllium, Zinc, Molybdenum, Antimony, Tin, Strontium, Barium, Vanadium, Boron, Arsenic, Selenium	Inductively Coupled Plasma	3120 B	10	20 each
Arsenic, Selenium	Atomic Absorption Spectrometric/Hydride Generation	3114 C	10	20 each
Cyanide	Colorimetric	Operation Manual Hach/Dr 2800	7	25
Mercury	Atomic Absorption Spectrometric /Hydride Generation-Cold Vapor	3112 B	10	20
	Atomic Absorption Spectrometric / Hydride Generation	3114 C		
Total Organic Carbon (TOC)	Persulfate-Ultraviolet Oxidation	5310 C	10	20
	Persulfate-Ultraviolet Oxidation/ Fusion			
Odor	Threshold Odor Test	2150 B	5	7
Bisphenol-A	BPA on LC/MS/MS (Mass&LC Symbiosis )	In-house	10	75
<b>Volatile Organic Compounds:</b> Benzene,Toluene,Ethyl benzene,P&M-Xylene O-Xylene,Trichloroethene,Tetrachloroethene	Gas Chromatography with head space / FID	In-house	10	140
<b>Organo Chlorinated Pesticides:</b> Lindane,Heptachlor,Aldrin, Heptachlorepoide Endosulfan I , Dieldrin,p,p-DDT, A-BHC, D-BHC ,B-BHC, p,p-DDD, p,p-DDE , Endosulfonate sulfate,Endosulfan II , Endrin, EndrinAldehyde , Methoxychlor, Endrin ketone	Solid Phase Extraction/Gas Chromatographic/Electron Capture Detector	6630 B	14	170
Linden, Aldrin, Dieldrin, Endrin, P,P-DDT				100
<b>Chlorophenoxy Herbicides</b> 2,4,5-T (Herbicides) 2,4-D (Herbicides)	Solid Phase Extraction-HPLC Performance	LC Work Station class Vp Instruction Manual	14	100
Trihalomethanes (T.THM)	Head Space Trap Analyzer/Gas Chromatography/ECD	In-House Method British1984-1985	10	70

**For the samples with EC $\geq$ 30000  $\mu$ S/cm, 10% extra cost will be added to all drinking water tests prices**

## 2- Environmental Isotope Analysis

Analysis	Method Used	<sup>SM</sup> Method Number	*Result Release	Unit Price (JD/Sample)
Oxygen 18	LWIA EP- 45	LGR	10	50
Deuterium	LWIA EP- 45	LGR	10	30
Rn 222	Liquid Scintillation Spectrometry	Modified from SM (7500-Rn B)	5	50
	RAD7 by ED A Emanation Method	Modified from SM (7500-RN)	5	50
	Quantulus (1220) 7500-Rn	Modified from SM (7500-RN)	5	50
Ra 228 in Water sample	ORTEC-Gamma Spectroscopy	7500- Ra E	10**	100
	Canberra Evaporative Enrichment and Gamma Spectroscopy			
Ra 226 in Water sample	ORTEC-Gamma Spectroscopy	7500- Ra E	40	70
	Canberra Evaporative Enrichment and Gamma Spectroscopy		40	100
Tritium	Electrolytic Tritium Enrichment	Modified from (IAEA), Technical Report Note No. 19	40	70
AU ( Gold )	EPA-200.8 by ICPMS	-	10	35
Gross Alpha, Gross Beta	Evaporation and Liquid Scintillation Counting -Quantulus	Modified From SM (7110 B)	10	120
	Evaporation and Liquid Scintillation Counting		10	120
Lead 210 in Water Sample	Determination of Pb 210 by Resin Extraction and Liquid Scintillation Counter	Modified from Eichrom Analytical Procedure OTOW1 rev 2	40	120
Thorium in water sample	Determination by Inductively Coupled Plasma/Mass	Modified from Environmental Protection Agency (EPA)	10	50
Uranium in Water sample	Determination by Inductivity Coupled Plasma/Mass Spectrometry	Method 200.8	10	50
Carbon 14	Measurement of C-14 by Benzene Synthesis Line and Liquid Scintillation Counter	Modified from (IAEA) Technical Procedure #25 (1980)	40	200
Carbon 13	Measurement of C-13 by Picarro Isotopic CO2 Analyzer	In-house method derived from Picarro Catalogue	10	50
Potassium40 in Soil sample	Counting by Gamma Spectrometer HPGE-BE 5030	Modified from SM (7120)	60	50 each
Radium 226 in soil sample			60	

Analysis	Method Used	<sup>SM</sup> Method Number	*Result Release	Unit Price (JD/ Sample)
Thorium 232 in Soil sample as Radium 228			60	

\*\*In case of requesting the analysis of Ra 228 only validation time will be 10 days, if requested with Ra226 Validation time will be 40 days

### 3- Microbiological Analysis for Drinking and Waste Water

Analysis	Method Used	<sup>SM</sup> Method Number	*Result Release	Unit Price (JD/ Sample)
Total Coliforms	Multiple Tube Fermentation	9221 A, B	7	20
<i>Escherichia coli</i>		9221 F(1)	7	17
Fecal Coliforms (Total Thermotolerant Coliforms)		9221 E (1)	7	18
Total Coliforms and <i>Escherichia coli</i> (Presence/Absence)	Enzyme Substrate Test Colilert From IDEXX	9223 B	3	28
Total Coliforms and <i>Escherichia coli</i> (Quantitative)			3	35
Total Coliforms and <i>Escherichia coli</i> (Presence/Absence)	Colitag Test / ATP D05-0035	User Manual	3	22
<i>Pseudomonas aeruginosa</i>	Multiple Tube Technique	9213 F	5	20
<i>Pseudomonas aeruginosa</i> (Presence/Absence)	Bacterial Enzyme Detection Technology "Pseudolert" From IDEXX	User Manual	3	45
<i>Pseudomonas aeruginosa</i> (Quantitative)			3	50
Bacterial Identification to species/Aerobic Bacteria	Vitek 2 Compact 15 by Biomerieux System	User Manual	5	50
Bacterial Identification to species/Anaerobic Bacteria			5	55
Vibrio Cholerae	Standard Method 21th Edition 2005 9260 H	9260 H	10	40
Cryptosporidium and Giardia	Method 1623 / <i>Cryptosporidium</i> & <i>Giardia</i> in Water by Filtration /IMS/FA	EPA 1623	10	400
Chlorophyll-a	Fluorometric Determination	10200 H 1, 3	29	25
Fungi	Membrane Filtration	9610 A, D	9	25
Heterotrophic Plate Count	Membrane Filtration / Spread Plate / Pour Plate	9215 A,B,C,D	4	20
Free Living Nematodes	Membrane Filtration	(AWWA) Manual Ch5 & 10200C2	2	20
Amoebae	Membrane Filtration	User Manual	2	20

Analysis	Method Used	SM Method Number	*Result Release	Unit Price (JD/ Sample)
Sulfate-Reducing Bacteria	Membrane Filtration/Culture	9240 D4	23	35
Clostridium perfringens	Membrane Filtration	The Microbiology of Drinking Water 2010 part 6	4	32
Iron Bacteria	Membrane Filtration / direct microscopy	9240 B	3	25
Fecal Streptococcus & Enterococcus	Multiple Tube technique	9230 A,B	5	30
Enterococcus (Presence/Absence)	Fluorogenic Test by Enterolert by IDEXX	9230 D	3	45
Enterococcus (Quantitative)				50
Salmonella	General Qualitative Isolation & Identification	9260 B	10	40
Helminth Eggs Count and Identification	Sedimentation-Floatation/Schwartzbrod	WHO 1989	5	45
Enteroviruses / Waste water	EPA-600/9-84/013 (R7) Modified 1989	-	7	350
Shigella	SM 21th Edition 2005 9260 E	9260 E	10	40
Algae	Sedimentation Technique	10200 F	4	20
<i>Campylobacter jejuni</i>	Membrane filtration Technique	9260G	7	50
<i>Legionella spp.</i>	Membrane filtration Technique	9260J	12	110
Diarrheagenic <i>Escherichia coli O157:H7</i>	Fermentation Technique	9260F	5	40
<i>Sulfur Oxidizing Bacteria</i>	Multiple Tube Fermentation (Ref: MIC-TFC-R003)	9240 D/5-C	10	40
Seven Hours Fecal coliform test	Membrane filtration Technique	9211B	2	30
Total Coliforms	Multiple Tube Fermentation	9221 A, B	4	50
<i>Pseudomonas aeruginosa</i>	Multiple Tube Technique	9213 F	5	
Fungi	Membrane Filtration	9610 A, D	9	

**4- Wastewater Chemistry**

<b>Analysis</b>	<b>Method Used</b>	<b><sup>SM</sup>Method Number</b>	<b>*Result Release</b>	<b>Unit Price (JD/Sample)</b>
pH	Electrometric-Hana	4500 H+B	3	2
	Electrometric-Mantic			
Turbidity	Nephelometric	2130 B	3	4
Biological Oxygen Demand (BOD5)	5 day BOD Test / LUM	5210 B	10	28
	5 day BOD Test / Titration			
Biochemical Oxygen Demand / Filtered	5 day BOD Test	5210 B	10	30
Biological Oxygen Demand (BOD7)	7 day BOD Test / LUM	5210 B	10	30
	7 day BOD Test/ Titration			
Biological Oxygen Demand (BOD21)	21 day BOD Test/ Titration	5210 B	24	34
Chemical Oxygen Demand (COD)	Closed Reflux / Potentiometric Titration	5220 C	10	25
	Closed Reflux/Manual Titration	5220 C	6	25
Total Solids / TS	Drying at 103 - 105 °C	2540 B	10	12
Total Suspended Solids / TSS	Drying at 103 - 105 °C	2540 D	10	12
Total Dissolved Solids / TDS	Drying at 180 °C	2540 C	10	12
Total Fixed Solids / TFS	Ignition at 550 °C	2540 E	10	16
Total Volatile Solids / TVS	Ignited at 550 °C	2540 E	10	16
Fixed Total Dissolved Solids	Ignited at 550 °C	2540 E	10	16
Total Volatile Suspended Solids	Ignited at 550 °C	2540 E	10	16
Fixed Total Suspended Solids	Ignited at 550 °C	2540 E	10	16
Volatile Total Dissolved Solids	Ignited at 550 °C	2540 E	10	16
Nitrate, Nitrate as N, Nitrite , Nitrite as N	Ion Chromatography	4110 B	10	11 each
Kjeldahl Nitrogen	Calculation	User Manual	10	30
Fluoride	Ion Chromatography	4110 B	10	11
Sulfide	Iodometric	4500 F	5	10

Analysis	Method Used	<sup>SM</sup> Method Number	*Result Release	Unit Price (JD/Sample)
Mercury	Inductively coupled Plasma / Hydride Generation	3125	10	30
Free Cyanide	Ion Selective electrode	4500-CN-F	5	25
Total Cyanide (TCN )	colorimetric		5	40
Calcium, Potassium, Magnesium, Sodium	Ion Chromatography	In-house Method	10	11 each
<b>Heavy Metals:</b> Iron, Manganese, Nickel, Zinc, Cadmium, Cobalt, Lead, Chromium, Copper, Silver, Aluminum, Barium, Beryllium, Lithium, Molybdenum, Stannous, Vanadium, Boron, arsenic, Selenium	Inductively coupled Plasma /Atomic Emission Spectroscopy	3120 B	10	25 each
Oil and Grease	Total by Gravimetric method	5520 B	10	25
	Indicative by Gravimetric method	5520 B	10	25
	Partition-infrared Method	5520 C	10	35
Anionic Surfactants (ABS)	Surfactants MBAS Kit	User Manual	5	15
Total Alkalinity: Carbonate, Bicarbonate, Hydroxide	Potentiometric Titration	2320 & User Manual	10	10 each
Total Nitrogen as N	Catalytic Combustion	User Manual	10	20
Total Nitrogen / Filtered			10	22
Chloride	Ion Chromatography	4110 B	10	11
Phosphate , Phosphate as P	Ion Chromatography	4110 B	10	11 each
Phosphate	Stannous Chloride	4500-PD	10	11
Sulfate	Ion Chromatography	4110 B	10	11
#Sodium Adsorption Ratio SAR (Na, Ca, Mg)	by calculation	In-house Method	6	33
Ammonium , Ammonium as N	Ion Chromatography	In-house Method	10	11each

### 5- Mobile Laboratory / Drinking Water

Analysis	Method Used	<sup>SM</sup> Method Number	Unit Price (JD/Sample)
Ammonia	Nessler - Colorimetric	User Manual	7



Analysis	Method Used	<sup>SM</sup> Method Number	Unit Price (JD/Sample)
Hardness	Titration	2340 C	7
PH	Electrometric	4500 H B	3
Iron	HACH / Spectrophotometer Single Beam	User Manual	12
Fluoride	SPANDS	4500 F D	10
Electrical Conductivity	Laboratory Method	2510 B	3
Total Coliforms and <i>Escherichia coli</i> (Presence/Absence)	Enzyme Substrate Test Colilert From IDEXX	9223 B	28
Turbidity	Nephelometric	2130 B	3
Nitrate	Spectrophotometer	4500 C	12
Langerlier Saturated Index (LSI) (pH, Temperature, TDS, HCO <sub>3</sub> , Total Hardness)	Calculation	1030 E	30

### 6- Field Analysis / Drinking Water

Analysis	Method Used	<sup>SM</sup> Method Number	Unit Price (JD/Sample)
Ammonia	Colorimetric	User Manual	7
Residual Chlorine	DPD Colorimetric	4500-C1 G	2
PH	Electrometric	4500 H B	3
Electrical Conductivity	Laboratory Method	2510 B	3
Turbidity	Nephelometric	2130 B	3
Oxidation Reduction Potential (Eh)	Electrometric	2580 A	7
Temperature	Laboratory Method	2550 B	2
Dissolved Oxygen	Membrane Electrode	4500-O G	7

### 7- Field Analysis / Waste Water

Analysis	Method Used	<sup>SM</sup> Method Number	Unit Price (JD/Sample)
PH	Electrometric	4500 H B	3
Residual Chlorine	Visual Color Comparison	4500-C1 G	2
Oxidation Reduction Potential (Eh )	Electrometric	-	7
Dissolved Oxygen	Membrane Electrode	4500-OG	7
Temperature	Laboratory Method	2550 B	2

<sup>SM</sup> : Standard Methods 23<sup>rd</sup> edition

# The listed price if the customer requested the SAR only and not its constituents, i.e. the Na, Ca & Mg.

\* Results releasing (Test Report) is based on the maximum time taken of the analyses requested.

### **B-Field Trips & Sampling Services Price List**

#### 1- Sampling Water by lab personnel & vehicles

No of samples collected	Destination	Price (JD/Trip/day) vehicle	Price (JD/Trip/day) personnel
≤4	Within Greater Amman Directorate	30	20
> 4		30	30
≤ 4	Outside Greater Amman Directorate	50	45
> 4		50	60

#### 2- Sampling Waste Water by lab personnel & vehicles

Description (Wastewater)	No of samples collected	Destination	Price (JD/Trip/day) vehicle	Price (JD/Trip/day) personnel
Grab Samples	≤ 4	Within Greater Amman Directorate	30	25
	> 4		30	35
	≤ 4	Outside Greater Amman Directorate	50	50
	> 4		50	70
Composite samples	≤3	Within Greater Amman Directorate	60	30
	>3		60	50
	≤ 3	Outside Greater Amman Directorate	100	60
	>3		100	100

#### 3- Mobile Unit Accompanied by Lab personnel

Destination	Price (JD/Trip/day) vehicle	Price (JD/Trip/day) personnel
Within Greater Amman Directorate	200 <sup>1</sup>	50 <sup>1</sup>
Outside Greater Amman Directorate	300 <sup>1</sup>	100 <sup>1</sup>

<sup>1</sup> The prices of analysis conducted by the mobile unit are added to the listed price and according to the main laboratory price list.

## C-Historical Water Quality Data Services Price List

### أجور البيانات التراكمية لنوعية المياه

يتوفر لدى شؤون المختبرات والنوعية النتائج الخاصة بالمياه والمياه العادمة منذ عام 1995 ولغاية تاريخه وتتضمن النتائج؛ نتائج العينات التي تم جمعها من قبل الأقسام الرقابية في مديرية النوعية وكذلك النتائج للعينات التي تم جمعها من قبل الجهات المختلفة في وزارة المياه والري.

• تتوفر المعلومات في ثلاث قواعد للبيانات تتوزع حسب الفترات الزمنية التالية:

أ. من عام 2002-1995 : ويوجد صعوبة في استخراج هذه البيانات حيث لم ترد العينات في ذلك الوقت بأرقام ورموز تشير الى المصدر بالتحديد وهذا يستوجب دراسة البيانات وتبويبها قبل اصدار نتائجها الأمر الذي يحتاج لوقت وجهد كبيرين.  
ب. من عام 2002 ولغاية تاريخه وهي سهلة الإستخراج.

• آلية إحتساب الأجر للخدمات الفنية المتعلقة بالبيانات التراكمية لنوعية المياه:

1. يتم احتساب التكلفة الإجماليه الحقيقيه للبيانات التراكمية وفقاً لما هو وارد في قائمة أسعار التحاليل المعتمدة من سلطة المياه.

2. النسبة المئوية المطلوبة من التكلفة الإجمالية الحقيقية هي 20%.

3. التكلفة الإجماليه للبيانات التراكميه المطلوبه = التكلفة الإجماليه الحقيقيه للبيانات التراكمية X 20%.

## D-Other Services Price List

### خدمات أخرى

الرقم	الخدمة	الأجور
1	اعداد خريطة من معلومات مملوكة لسلطة المياه	30 د
2	اعداد خريطة من معلومات خاصة بالزبون	20 د

40 د	استخدام احداثيات من GPS مملوك لسلطة المياه و اعداد الخريطة	3
20 د	استخدام احداثيات من GPS مملوك لسلطة المياه	4
100 د	اعداد وصف هيدروجيولوجي لمنطقة الدراسة من لوحة خريطة جيولوجية واحده	5
200 د	كشوفات اعادة الترخيص للشركات والمقالع والتعدين واي منشآت لها آثار بيئية على مصادر المياه	7

### الإستثناءات و الخصومات الممنوحة فيما يتعلق بالبنود (A, B, C, D)

#### • الإستثناءات الممنوحة:

- 1- يستثنى من بدل خدمات التحاليل والخدمات المخبرية القوات المسلحة والأجهزة الأمنية والديوان الملكي على ان لا يتجاوز عشرة عينات شهريا.
- 2- هناك استثناءات فيما يخص الحالات الدراسية ومشاريع البحث العلمي والتي تعود نتائجها بالمنفعة على سلطة المياه ويتم ذلك من خلال تقديم خصم 35% عن طريق ابرام مذكرات تفاهم مع هذه الجهات، بشرط إشراك المختصين من سلطة المياه في هذه الدراسات والمشاريع وتزويد سلطة المياه بنتائج البحث والتقارير النهائي للدراسات للإستفادة منها وعكسها على تحسين عمليات سلطة المياه.

#### • الخصومات الممنوحة

- 1- تقديم خصم 50% لطلاب الجامعات والدراسات العليا والمدارس وكلليات المجتمع .
- 2- بالنسبة للاتفاقيات السنوية والتي تبرم مع القطاع الخاص :
  - \* منح خصم 20% اذا تجاوزت القيمة الإجمالية للمبالغ المستحقة ألف دينار أردني خلال السنة التعاقدية.
  - \* منح خصم 25% اذا تجاوزت القيمة الإجمالية للمبالغ المستحقة خمسة آلاف دينار أردني خلال السنة التعاقدية.
  - \* منح خصم 30% اذا تجاوزت القيمة الإجمالية للمبالغ المستحقة عشرة آلاف دينار أردني خلال السنة التعاقدية.

### E-Training Services Price List

#### اجور خدمات التدريب

- المدرب من داخل الاردن : خمسون دينار اردني (50) للشخص الواحد في اليوم الواحد .
- المدرب من خارج الاردن : مائة و خمسون دينار اردني (150) للشخص الواحد في اليوم الواحد.
- الإستثناءات و الخصومات الممنوحة فيما يتعلق بالبند (E)

- 1- يستثنى من أجور التدريب موظفي سلطة المياه، سلطة وادي الاردن، وزارة المياه والري، خريجي الجامعات و الكليات الجدد، طلبة الجامعات، المتدربين من النقابات المهنية.
- 2- تقديم خصم 20٪ للمجموعات من المتدربين و التي تتجاوز خمس متدربين للمجموعه.

- مرفق (1) يتضمن كشف بكافة الدورات التدريبيه التي تعقد في شؤون المختبرات والنوعية.