

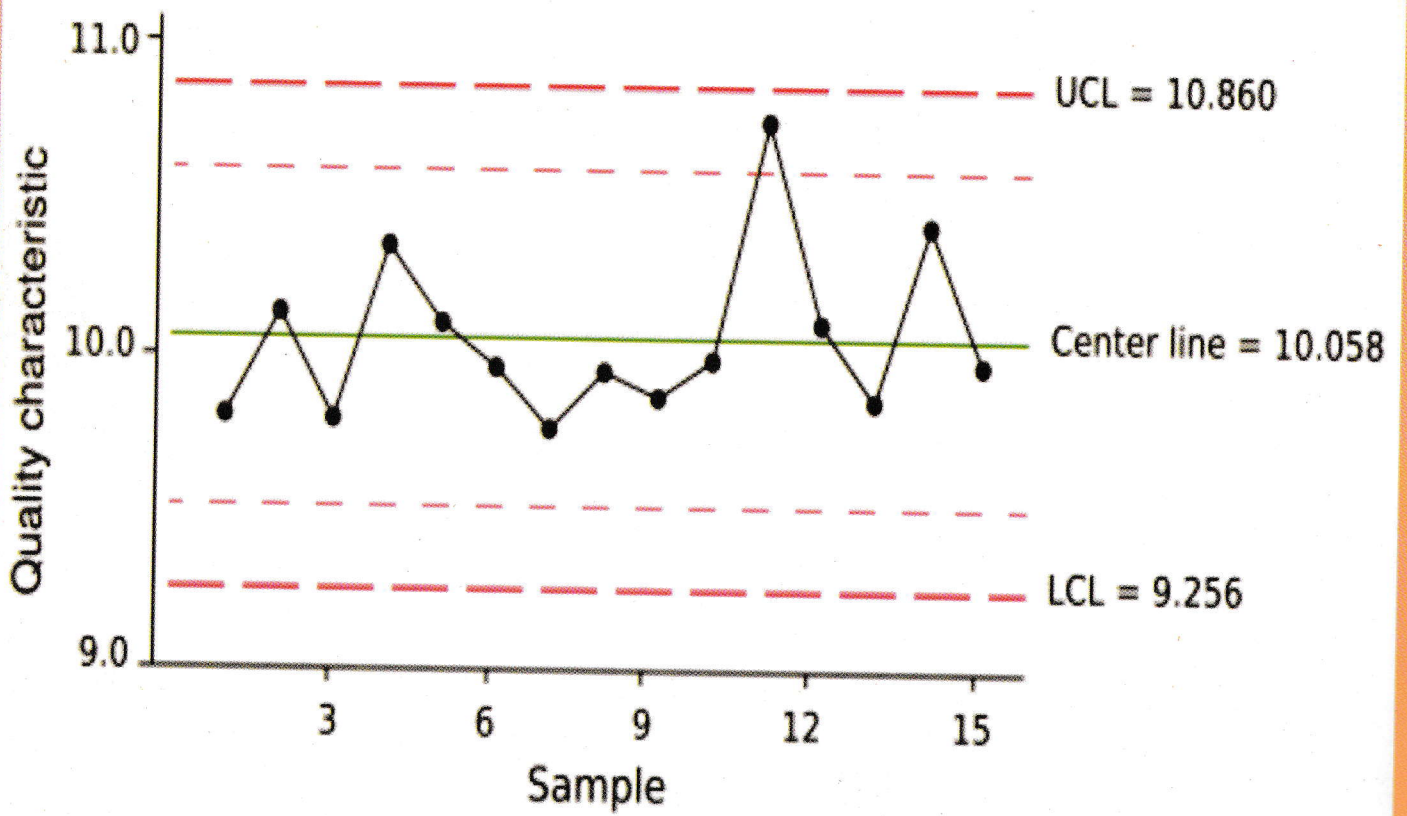
Envirnotech **Quality Research**

**An ISO 9001-2008 & ISO 14001-2004
Certified organization in water quality monitoring**

A large, stylized, red logo consisting of the letters 'E', 'Q', and 'R' intertwined. The background of the entire page features a faint, semi-transparent image of water quality monitoring equipment, including a yellow and white sampling bottle and a white cylindrical container, set against a light blue and white background.

PRICE LIST 2016-2017

Reference Materials For Calibration & Standardization Of
Water Quality Monitoring System And Catalog For The Services
Provided by EQR In Relevant Field .





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TERMS & CONDITIONS

- ▶ Price quoted in this price list are effective from 01/04/2014 and subject to change depending on the market conditions without any notice.
- ▶ Taxes are extra as per prevailing Govt. Rules.
- ▶ Delivery- All material is readily available all the time.
- ▶ However under unavoidable circumstances no liability will be accepted for delay in supply.
- ▶ Amendments/Cancellations Once order is confirmed, no amendment or cancellation will be accepted.
- ▶ Payment 100% advance payment is required with the order.
- ▶ Caution-All the materials listed in this price list are for laboratory use only. No liability will be accepted in case of mishandling or other use.

NOTE : KINDLY DOWNLOAD INSTRUCTION MANUAL FROM OUR WEBSITE.

**For more details kindly visit our website: www.envirnotech.com
or write to us at : info@envirnotech.co / info@envirnotech.com**



Quality Management System

Certificate of Registration

*This is to Certify that the
Quality Management System
of*

Envirotech Quality Research

**92 - 93, Mandakni Colony, Kolar Road, Bhopal - 462034,
M.P., India.**

**has been independently assessed and is compliant
with the requirements of**

ISO 9001:2008

This certificate is applicable to the following products or ranges:

Water Quality Monitoring & Water Testing Standards.

:: Certificate No :: 101795-A01

Date of initial registration	21 June 2010
Date of this certificate	20 June 2013
Certificate expiry	19 June 2014
Recertification Due (subject to the company maintaining its system to the required standard)	19 June 2016

Jasur

Director

Accreditation



CB-006

LMS Certifications Private Limited

1, Anand Dham, Opp. Kukrail Picnic Spot Gate, Faridi Nagar,
Indira Nagar, Lucknow - 226 016, U.P., India, Mob.: +91 9839960011
e-mail : info@lmscert.com, www.lmscert.com



WATER QUALITY MONITORING STANDARDS

REFERENCE STANDARDS & REFERENCE MATERIALS

Reference Standards are used to verify the performance of the test instruments and solutions. It Minimize the human error and determine the correction factor by calibration through known standards.

CALIBRATION

Calibration is comparing of a measurement device against an equal or better standard. After calibration correction factor or calibration constants are calculated and used in measurement to get better results.

REQUIREMENTS FOR CALIBRATION STANDARDS

Calibration standards requires :

- ▶ Chemicals of very high purity.
- ▶ Calibrated glassware's.
- ▶ Precise Weighing .
- ▶ Appropriate procedures.
- ▶ Determination and use of correction factors.
- ▶ High purity dilution water.
- ▶ Expert infrastructure

Envirotech Quality Research(EQR) is an ISO 9001-2008 &.ISO 14001-2004 certified organization with Excellent infrastructure . It have a team of expert's having 25-30 year experience in the field of WQM. It provides best quality calibration standards and solutions traceable to Certified reference materials for calibration and testing of Water quality laboratories testing procedures in Indian Environment . It also provide reagents and solutions as per the procedures of IS 3025 for water analysis .

Certificate of Registration

This is to Certify that
Environmental Management System of

ENVIRNOTECH QUALITY RESEARCH

92-93 MANDAKNI COLONY, KOLAR ROAD, BHOPAL - 462034,
M.P., INDIA

has been assessed and found to conform to the requirements of

ISO 14001:2004

for the following scope :

PROVIDING WATER QUALITY MONITORING & WATER TESTING

Certificate No.1014/E/028

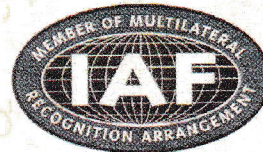
Initial Registration Date : 10.02.2014

Issuance Date : 10.02.2014

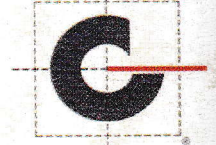
Date of Expiry* : 09.02.2015

Date of Recertification : 10.02.2017


Managing Director



JAS-ANZ



M4570910IN

Absolute Quality Certification Pvt. Ltd.

Accredited By: Joint Accreditation System of Australia & New Zealand (JAS-ANZ)

401, Ashok Bhawan, 93, Nehru Place, New Delhi - 110 019, | +91. 11. 4105 1139 | e-mail : info@absolutecertification.com, www.absolutecertification.com

The Registration is not a Product Quality Certificate
Certificate is the property of AQC and returns when demanded

* Subject to successful completion of surveillance audits

Visit for verification on www.jas-anz.org/registra-

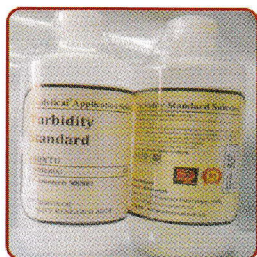
ISO 14001:2004



Envirnotech Quality Research

REFERENCE STANDARDS

Turbidity Standards



For Determination of Turbidity in Drinking Water.

Contents :

Deionized Water (H ₂ O)	Cas No 7732-18-5
Hexamine	Cas No 100-97-0
Hydrazine sulphate	Cas No 10034-93-2

Cat log No	Description	Pack Size	Price in ₹
900001	Turbidity 400 ± 4 NTU	500 ml	2600
900001A	Turbidity 1000 ± 10 NTU	500 ml	2600
900002	Turbidity 4000 ± 50 NTU	500 ml	3000
900003	Turbidity 100* ± 1 NTU	100 ml	1600
900004	Turbidity 10* ± 0.5 NTU	100 ml	1600

* Expiry less than 6 Months.

INSTRUMENT CALIBRATION SETS

Spectrophotometer Calibration kit set

For wavelength, Absorption & Liquid sample holder absorption calibration for Uv / Vis spectrophotometer calibration.



Contents :

Reagent A -1 X 60 ml
 Reagent B -1 X 60 ml
 Reagent C -1 X 60 ml
 Reagent D -1 X 60 ml
 Reference Std -1 X 60ml

Cat log No	Description	Pack Size	Price in ₹
SCK0010	Spectrophotometer Calibration kit set	1 Box	9900

Calibrated Analytical Weight box

Cat log No	Description	Pack Size	Price in ₹
CAW0009	Capacity 1 gm to 100gm with certificate through ISO certified Laboratory for Calibration of electronic/chemical Balances used in weighing.	1 Box	4800

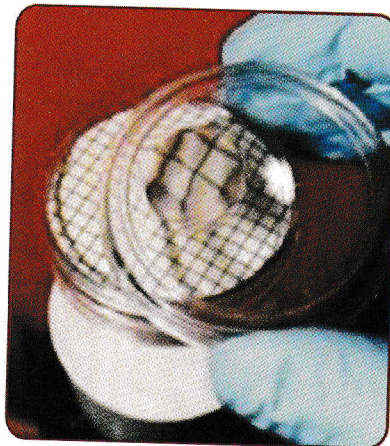


Envirnotech Quality Research

We offer a single point solution for testing of specific parameter such as Iron, Manganese, Sulphate and Microbiological test as per the specific laboratory testing method of water quality monitoring. All the essential reagent are prepared using high purity chemicals and standard procedures to obtain the reliable and reproducible results. These reagents and the materials are users friendly and complete the requirement of the test. We also provides standard operating procedures in Hindi language that can be easily understood.



First Aid Kit



Membrane



Microbiological Test



Iron Test Reagent Set



Manganese Test Reagent Set



Sulphate Test Reagent Set



REFERENCE STANDARDS

Fluoride Standards



Fluoride standard for use in Ion-selective electrode method and colorimetric method for determination of Fluoride in water and waste water.

Contents :

Deionized Water (H₂O)
Sodium Fluoride (NaF)

Cas No 7732-18-5
Cas No 7681-49-4

Cat log No	Description	Pack Size	Price in ₹
110165	Fluoride standard 1 ± 0.01mg/l	475 ml	5000
110165	Fluoride standard 100 ± 1mg/l	475 ml	8500
110165	Fluoride standard 10 ± 0.1mg/l	475 ml	6500

Iron standards



For Determination of Iron in water using colorimetric precedures.

Contents :

Deionized Water (H₂O)
Sulphuric Acid (H₂SO₄)
Ammonium Fe (II) Sulphate (Fe(NH₄)₂(SO₄) 6H₂O)
Potassium per Magnate (KMNO₄)

Cas No 7732-18-5
Cas No 16921-30-5
Cas No 7646-79-9
Cas No 7647-01-0

Cat log No	Description	Pack Size	Price in ₹
031262	Iron standard 100mg± 1mg / l as Fe ⁺⁺	475ml	3000
031262A	Iron standard 100mg± 1mg / l as Fe ⁺⁺	100ml	1180

Manganese Standards



For determination of Manganese in water using colorimetric procedure.

Contents :

Deionized Water (H₂O)
Sulphuric Acid (H₂SO₄)
Manganese Sulphate Monohydrate (MnSO₄)

Cas No 7732-18-5
Cas No 7483-20-2
Cas No 7485-87-7

Cat log No	Description	Pack Size	Price in ₹
200886AA	Manganese Standard as 100 + 1mg/l as Mn	500 ml	4000
200886	Manganese Standard as 100 + 1mg/l as Mn	100 ml	1350
200886A	Manganese Standard as 1000 + 1mg/l as Mn	500 ml	4200



REFERENCE STANDARDS

Nitrate Standards



For Determination of Nitrate in water & waste water using Ion-selective electrode /Colorimetric method.

Contents :

Deionized Water (H₂O)

Cas No 7732-18-5

Potassium Nitrate (KNO₃)

Cas No 7757-79-1

Cat log No	Description	Pack Size	Price in ₹
101297	Nitrate standard 1000 ± 10mg/l as Nitrogen	475ml	7900
101297A	Nitrate standard 100 ± 1mg/l as Nitrogen	475ml	7500
101297AA	Nitrate standard 100 ± 1mg/l as Nitrogen	100ml	2500
030707	✓ Nitrate standard 1000 ± 10mg/l as Nitrate	475ml	7500
030707A	✓ Nitrate standard 100 ± 1 mg/l as Nitrate	475ml	7900
030707AA	✓ Nitrate standard 1000 ± 10mg/l as Nitrate	100ml	2500

pH Buffer standard



For Calibration of pH meter, Colour coded pH buffer standard solution for measurement of pH, as per IS 3025Part 11 for water & waste water measurement.

Cat log No	Description	Pack Size	Price in ₹
903000	pH Buffer standard for pH 1.68 ± 0.05 at 250C Colour less	475ml	3000
903001	pH Buffer standard for pH 3.00 ± 0.02 at 250C Colour less	475ml	3000
903178	pH Buffer standard for pH 4.01 ± 0.02 at 250C Red	475ml	3000
901099	pH Buffer standard for pH 7.00 ± 0.10 at 250C Y-G	475ml	3000
900778	pH Buffer standard for pH 9.18 ± 0.10 at 250C Blue	475ml	3000
900778A	pH Buffer standard for pH 10.00 ± 0.10 at 250C BV	475ml	3000

Sulphate Standards



For Determination of Sulphate in water & waste water using Turbidity Method.

Contents :

Deionized Water (H₂O)

Cas No 7732-18-5

Sodium Sulphate (Na₂SO₄)

Cas No 7757-82-6

Cat log No	Description	Pack Size	Price in ₹
300192	Sulphate standard 100mg + 1mg/l as SO ₄	475ml	3000
300192A	Sulphate standard 100mg + 1mg/l as SO ₄	100ml	1200



REFERENCE STANDARDS

Turbidity Standards



For Determination of Turbidity in Drinking Water.

Contents :

- Deionized Water (H₂O) Cas No 7732-18-5
- Hexamine Cas No 100-97-0
- Hydrazine sulphate Cas No 10034-93-2

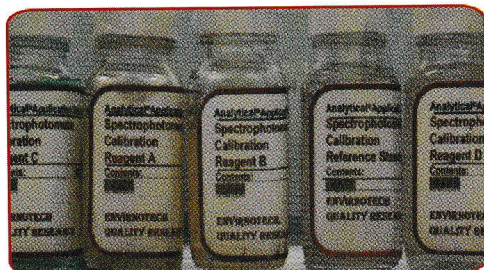
Cat log No	Description	Pack Size	Price in ₹
900001	Turbidity 400 ± 4 NTU	500 ml	2600
900001A	Turbidity 1000 ± 10 NTU	500 ml	2600
900002	Turbidity 4000 ± 50 NTU	500 ml	3000
900003	Turbidity 100* ± 1 NTU	100 ml	1600
900004	Turbidity 10* ± 0.5 NTU	100 ml	1600

* Expiry less than 6 Months.

INSTRUMENT CALIBRATION SETS

Spectrophotometer Calibration kit set

For wavelength, Absorption & Liquid sample holder absorption calibration for Uv / Vis spectrophotometer calibration.



Contents :

- Reagent A -1 X 60 ml
- Reagent B -1 X 60 ml
- Reagent C -1 X 60 ml
- Reagent D -1 X 60 ml
- Reference Std -1 X 60ml

Cat log No	Description	Pack Size	Price in ₹
SCK0010	Spectrophotometer Calibration kit set	1 Box	9900

Calibrated Analytical Weight box

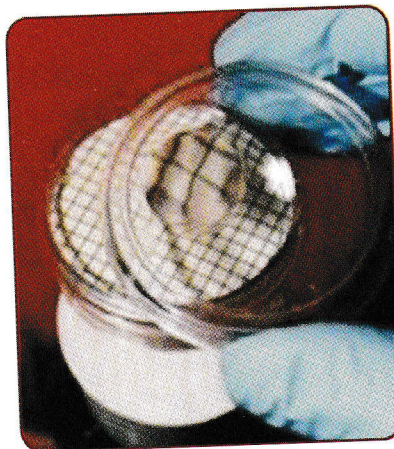
Cat log No	Description	Pack Size	Price in ₹
CAW0009	Capacity 1 gm to 100gm with certificate through ISO certified Laboratory for Calibration of electronic/chemical Balances used in weighing.	1 Box	4800

EQ Envirotech Quality Research

We offer a single point solution for testing of specific parameter such as Iron, Manganese, Sulphate and Microbiological test as per the specific laboratory testing method of water quality monitoring. All the essential reagent are prepared using high purity chemicals and standard procedures to obtain the reliable and reproducible results. These reagents and the materials are users friendly and complete the requirement of the test. We also provides standard operating procedures in Hindi language that can be easily understood.



First Aid Kit



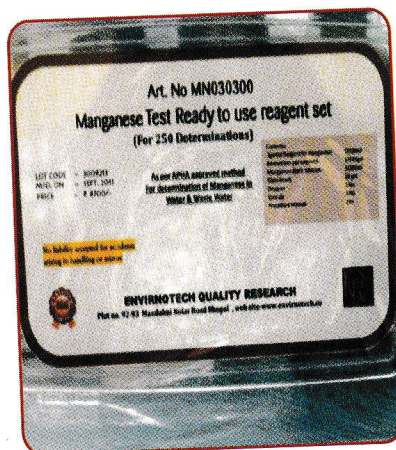
Membrane



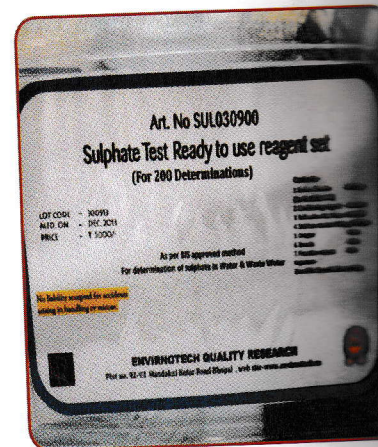
Microbiological Test



Iron Test Reagent Set



Manganese Test Reagent Set



Sulphate Test Reagent Set



Envirotech Quality Research

READY TO USE REAGENT SET & RAPID TEST METHODS KITS

Cat log No	Description	Pack Size	Price in ₹
301101	Iron Test Reagent Set For 200 Determinations as per BIS methods, each set consist- Hydroxylamine Hydrochloride (Cas No. 5470-11-1) 10% w/v 1 x 500 ml Hydrochloride acid (Cas No. 7647-01-0) 37% Iron <0.00002> 1 x 500 ml Sodium Acetate solution (Cas No. 127-09-3) 25% w/v 2x1000ml 1; 10phenanthroline solution (Cas No. 66-71-7) GR 1 x 500 ml Glass beads 1 x 50gm Iron Standard 100 ppm 1x100ml Blank solution for Iron test 1 x 500 ml Procedure manual 1 No.	One Set	8000
000003	Laboratory First aid Box With wall mounting facilities	One No	3000
030300	Manganese Test Reagent set For 200 Determination as per laboratory BIS approved method Special Reagent for manganese 1x 500 ml Ammonium per sulphate 1 x 250gm Manganese Standard 1X100ml Glass beads 1X50gm Procedure Manual 1 No.	One Set	8900
300186	Ready to use Microbiological test Set As per APHA approved method (For Rapid detection of Total Coliform and thermo tolerant coliform in drinking water using membrane detection method) Contents- 1. M7hr FC Agar 1X100gm 2. Membrane indissually sterilized dia 47mm, pore size 0.45 micron gridded, Certified. 100 PC 3. Autoclavable & reusable petri plates dia 55mm Made of Aluminum 10 Nos 4. Forceps 1 No 5. Sterilization indicator tape 1 Roll 6. Label steakers & Marker 1 PKT	One Set	16500
030900	Sulphate Test reagent Set for 200 determinations Barium chloride GR (Cas No. 10361-37-2) 1 x 500 gm Conditioning Reagent 1 x 250 ml Sulphate free distilled water 1X500 ml Sulphate standard 1X100 ml Procedure manual 1 No	One Set	5500
0011	Auto Clave sterilization Check kit /Tape Consist of Chemical Reagents / or Sterilization indicator tap to find out the proper sterilization with the help in the change of colour in chemical pasted on tape.	One Set (20 Mtr)	4000
1101	Turbidity Tube Set for simple measurement of turbidity in the field, measurement range 5-10-25-50-100-250 Turbidity unit, made of TPX polypropylene with procedure	One Set	1800
3333	Colour Test Kit Set (Range 0-5-10-15-25-&50 Hazen Total Colour with colour chart, Procedure manual & 2 Nessler tubes	One Set	2800



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SECONDARY STANDARDS SOLUTION

Standard Silver Nitrate Solution

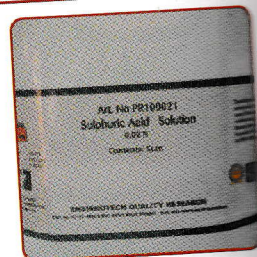


Standard Silver Nitrate solution prepared using analytical grade purity >99.5% quality silver nitrate & Grade I Deionized water for reliable and reproducible results in titrimetric test.

Cat log No	Description	Pack Size	Price in ₹
100111	Silver Nitrate 0.0141 N for determination of Chloride in water & waste water	500ml, PB Amber	950
100112	Silver Nitrate Solution 0.02N	500ml, PB Amber	1500
100113	Silver Nitrate Solution 0.1N	500ml, PB Amber	8500

Standard Sulphuric acid Solution

Highly pure grade solvents and solutes are used. Every batch of products is cross verified with the NIST standard for ensuring desired normality. Sure solution for precise and accurate result in titrimetric test.



Cat log No	Description	Pack Size	Price in ₹
PR100022	Sulphuric acid 0.02N For laboratory use in determination of Alkalinity	5 Ltr, PP	1500
PR100023	Sulphuric acid 0.1N Solution	5 Ltr, PP	1500
PR100024	Sulphuric acid 0.02N	2.5 ltr PP	960

Standard EDTA Solution



Highly pure grade solvents and solutes are used. Every batch of products is cross verified with the NIST standard for ensuring desired normality. Sure solution for precise and accurate result in titrimetric test.

Cat log No	Description	Pack Size	Price in ₹
PR100021	EDTA 0.02N Solution for determination of Total, Calcium & magnesium Hardness	5 Ltr., PP	1500
PR100020	EDTA 0.02N Solution for determination of Total, Calcium & magnesium Hardness	2.5 Ltr., PP	960
PR 100019	EDTA 0.1N Solution	5 Ltr.	2000



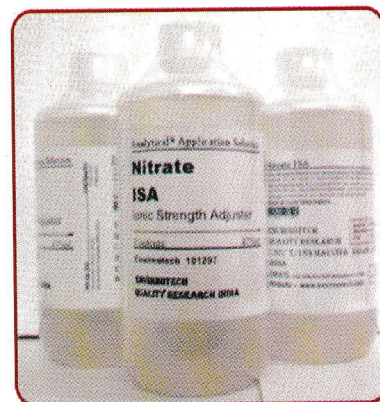
INDICATORS & STAINS

Cat log No	Description	Pack Size	Price in ₹
060601	Bromo Phenol blue	100ml	150
060602	Bromocresol green 0.04% Solution	100ml	115
060603	Bromocresol Purple 0.04% Solution	100ml	120
060604	Bromothymol blue 0.04% solution	100ml	120
060605	Cresol Red 0.04% Solution	100 ml	120
060606	Crystal Violet indicator	100ml	110
060607	Ferroun Indicator Solution	100ml	500
060608	✓ Methyl Orange 0.05% Solution	100ml	125
060609	Methylene Blue stain Solution	100ml	120
060610	Methyl Red 0.01% Solution	100 ml	120
060611	✓ Mixed indicator For Alkalinity	100ml	400
060600	Neutral Red indicator Solution	100ml	180
060612	✓ Phenolphthalein 0.5% Solution	100ml	120
060613	Potassium Chromate 5% Solution	100ml	110
060614	Phenol Red 0.04% Solution	100 ml	120
060615	✓ Patton and Reeder's indicator (Eriochrome blue Black R)	100ml	300
060616	✓ Solochrome (Eriochrome) Black T solution	100ml	100
060617	Thymol Blue Solution	100ml	110
060618	Thymolphthalein 0.1% solution	100ml	150
060619	Thymol violet	100ml	240
060620	✓ Universal Indicator for pH 4-11	100 ml	115
060621	✓ Universal indicator for pH 4-11	500ml	298
060622	✓ pH paper Strips range 1-3-5-6-7-8-9-10-12-14 a set of 100 strips	5 set strip (per Pkt)	180



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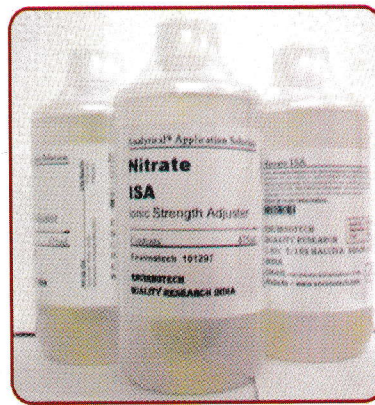
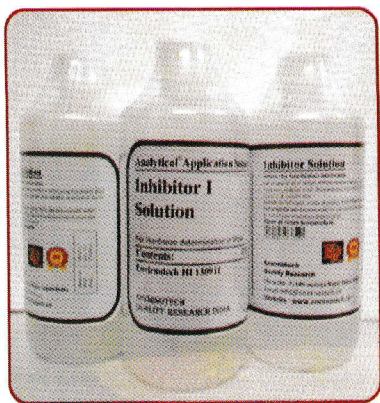
Reagents & solutions are specially designed to work with laboratory equipment's, application methods to provide more accurate and reproducible measurements. All the reagents & solution are prepared using Analytical grade chemicals and precise procedures to achieve the requirement of the test procedure.





Envirnotech Quality Research

Reagents & solutions are specially designed to work with laboratory equipment's, application methods to provide more accurate and reproducible measurements. All the reagents & solution are prepared using Analytical grade chemicals and precise procedures to achieve the requirement of the test procedure.





Envirotech Quality Research

REAGENTS & SOLUTION

Cat log No	Description	Pack Size	Price in ₹
Sulc 130911	Conditioning reagent for determination of sulphate	500ml, PB	2500
Sulc 130912	Conditioning reagent for determination of sulphate	250ml, PB	1500
EFSF00001	Electrode filling solution for Fluoride electrode for ISE Meter/Ion Meter	100ml, PB	2200
EFSN000001	Electrode filling solution for Nitrate electrode for ISE Meter/Ion Meter	100ml, PB	2200
EFSN00002	Electrode filling solution for pH Combination electrode	100ml, PB	800
HI130911	Inhibitor I for removal of metal Interference in Hardness test	500ml, PB	1800
101297	ISA (Ionic Strength adjuster) For Nitrate using pH/ ISE Meter	475ml, PB	7500
000333	pH electrode storage solution	500 ml	1400
000303	Lab Cleaning solution Alkaline	5 ltr	1750
000305	Lab Cleaning solution Alkaline	2.5 ltr	1000
130911	Phenol-di-sulphonic acid for determination of Nitrate 25%W/V , Clear, Transparent Analytical Grade	500ml, GB	4900
130922	Potassium Hydroxide 12 N for determination of Nitrate	500ml, PB	400
003333	Optical device cleaning solution for cleaning of cuvette, Tubes	100ml	350
200811987	Silver Sulphate solution for removal of interference in Nitrate test Contents- 0.443% as AgSO ₄	500ml, PB	2900
210160	Special Reagent for Manganese Determination for Manganese test as per APHA method	475ml, PB	5500
20021974	SPANDS Solution for determination of Fluoride	125 ml GB	650
301213	Sodium Hydroxide 1N	500ml, PB	180
300563	TISAB III solution for determination of Fluoride by Ion meter suitable for fluoride concentration within range 0.1-100 PPM	475ml, PB	10900
300563A	TISAB II Solution for determination of Fluoride by Ion meter suitable for fluoride concentration in low range (0.01 - 1.0 PPM)	475ml, PB	8000
070265	TISAB IV solution for determination of Fluoride by Ion meter Suitable for fluoride concentration in those samples where Iron and fluoride is found in high concentration	475ml, PB	12200
20081986	Zirconyl-Alizarin Red Mixed solution for Fluoride Determination	125ml, GB	650
100012	Zirconyl-Alizarin Red Mixed solution for Fluoride Determination	500ml, PB	2300
RW0030	Reagent Gr I Water Conductivity < 2µmho/ltr	5 Ltr. PP	650



Envirnotech Quality Research

ATOMIC ABSORPTION STANDARDS

EQR provides high purity Reference standards in 2-5% acid solution for analysis of metals using Atomic absorption spectrophotometer for precise and accurate measurement in micro label. These standards are cross verified with NIST certified standards, hence gives the international quality performance. These standards are also suitable for the examination of metals using colorimetric methods. These standard are prepared gravimetrically to contain the concentration as desired in analysis.

Cat log No	Description	Pack Size	Price in ₹
014111	Aluminium Standard 100mg+1mg/l as Al	100ml, PB	2000
014111A	Aluminium Standard 100mg+1mg/l as Al	500ml, PB	5100
014112	Arsenic Standard 1000µg+1 µg/l as As (III)	100ml, PB	1800
014112A	Arsenic Standard 1000µg+1 µg /l as As (III)	500 ml, PB	4400
014113	Chromium Standard 5000µg+5 µg/l as Cr	100ml, PB	2000
014113A	Chromium Standard 5000µg +5 µg/l as Cr	500ml, PB	5000
014114	Copper Standard 20+0.2mg /l as Cu	100ml, PB	1000
014114A	Copper Standard 20+0.2mg /l as Cu	500ml, PB	2500
014115	Iron Standard 100mg+ 0.1mg as Fe	100ml, PB	1250
014115A	Iron Standard 100mg+ 0.1mg as Fe	500ml, PB	3000
014116	Lead Standard 2000µg+2 µg as Pb	100ml, PB	1400
014116A	Lead Standard 2000µg+2 µg as Pb	500ml, PB	3000
014117	Manganese Standard 50mg+0.2mg as Mn	100ml, PB	1350
014117A	Manganese Standard 50mg+0.2mg as Mn	500ml, PB	3300
014118	Magnesium Standard 100mg + 1mg/l as Mg	100ml, PB	1500
014119	Potassium Standard 10mg+0.2mg as K	100ml, PB	3000
014119A	Potassium Standard 10mg+0.2mg as K	500ml, PB	15000
014120	Silver Standard 1000µg+1 µg as Ag	100ml, PB	1600
014121	Sodium Standard 100mg + 1mg/l as Na	100ml, PB	1500
014122	Zinc Standard 1000µg+1 µg as Zn	100ml, PB	1500

* Shelf life 2-3 Years from the date of manufacture.





Envirotech Quality Research

Inductively Coupled Plasma (ICP) Standards (Plasma Emission Spectroscopy)

These standards are prepared using reagents of ultra-high-pure grade with two stage deionized water and ultrapure grade acids. These standard are prepared gravimetrically to contain the concentration as desired in analysis.

Cat log No	Description	Pack Size	Price in ₹
12001	Aluminium ICP Standard 100 PPM in Nitric acid	100ml, PB	3500
12002	Aluminium ICP Standard 100PPM in Nitric acid	500ml, PB	5000
12003	Antimony ICP Standard 100PPM in Hydrochloric acid	100ml, PB	3500
12004	Cadmium ICP Standard 100PPM in Nitric acid	100ml, PB	4500
12005	Calcium ICP Standard 100PPM in Nitric acid	100ml, PB	2500
12006	Chromium ICP Standard 100PPM in Nitric acid	100ml, PB	3000
12007	Cobalt ICP Standard 100PPM in Nitric acid	100ml, PB	3200
12008	Copper ICP Standard 100PPM in Nitric acid	100ml, PB	3000
12009	Copper ICP Standard 100PPM in Nitric acid	100ml, PB	3000
12010	Iron ICP Standard 100PPM in Nitric acid	100ml, PB	3000
12011	Iron ICP Standard 100PPM in Nitric acid	500ml, PB	4900
12012	Lead ICP Standard 100PPM in Nitric acid	100ml, PB	2500
12013	Lead ICP Standard 500PPM in Nitric acid	100ml, PB	4000
12014	Magnesium ICP Standard 100PPM in Nitric acid	100ml, PB	3000
12015	Manganese ICP Standard 100PPM in Nitric acid	100ml, PB	3000
12016	Molybdenum ICP Standard 100PPM in Ammonia	100ml, PB	3000
12017	Nickel ICP Standard 100PPM in Nitric acid	100ml, PB	3000
12018	Potassium ICP Standard 100PPM in Nitric acid	100ml, PB	3000
12019	Silica ICP Standard 100PPM in Nitric acid	100ml, PB	3000
12020	Silver ICP Standard 100PPM in Nitric acid	100ml, PB	3000
12021	Sodium ICP Standard 100PPM in Nitric acid	100ml, PB	2800
12022	Zinc ICP Standard 100PPM in Hydrochloric acid	100ml, PB	2500
12023	Mixed standard solution I- Manganese 100PPM, Cadmium 100PPM, Lead- 100PPM	100ml, PB	7200
12024	Mixed standard solution II- Copper- 100PPM, Iron- 100PPM & Cobalt- 100PPM	100ml, PB	7200
12025	Mixed standard solution III- Calcium- 100PPM, Sodium- 100PPM	100ml, PB	7200
12026	Potassium- 100PPM & Nickel -100PPM Calibration Blank Solution for ICP	500ml, PB	7800



Envirnotech Quality Research

ATOMIC ABSORPTION STANDARDS

EQR provides high purity Reference standards in 2-5% acid solution for analysis of metals using Atomic absorption spectrophotometer for precise and accurate measurement in micro label. These standards are cross verified with NIST certified standards, hence gives the international quality performance. These standards are also suitable for the examination of metals using colorimetric methods. These standard are prepared gravimetrically to contain the concentration as desired in analysis.

Cat log No	Description	Pack Size	Price in ₹
014111	Aluminium Standard 100mg+1mg/l as Al	100ml, PB	2000
014111A	Aluminium Standard 100mg+1mg/l as Al	500ml, PB	5100
014112	Arsenic Standard 1000µg+1 µg/l as As (III)	100ml, PB	1800
014112A	Arsenic Standard 1000µg+1 µg /l as As (III)	500 ml, PB	4400
014113	Chromium Standard 5000µg+5 µg/l as Cr	100ml, PB	2000
014113A	Chromium Standard 5000µg +5 µg/l as Cr	500ml, PB	5000
014114	Copper Standard 20+0.2mg /l as Cu	100ml, PB	1000
014114A	Copper Standard 20+0.2mg /l as Cu	500ml, PB	2500
014115	Iron Standard 100mg+ 0.1mg as Fe	100ml, PB	1250
014115A	Iron Standard 100mg+ 0.1mg as Fe	500ml, PB	3000
014116	Lead Standard 2000µg+2 µg as Pb	100ml, PB	1400
014116A	Lead Standard 2000µg+2 µg as Pb	500ml, PB	3000
014117	Manganese Standard 50mg+0.2mg as Mn	100ml, PB	1350
014117A	Manganese Standard 50mg+0.2mg as Mn	500ml, PB	3300
014118	Magnesium Standard 100mg + 1mg/l as Mg	100ml, PB	1500
014119	Potassium Standard 10mg+0.2mg as K	100ml, PB	3000
014119A	Potassium Standard 10mg+0.2mg as K	500ml, PB	15000
014120	Silver Standard 1000µg+1 µg as Ag	100ml, PB	1600
014121	Sodium Standard 100mg + 1mg/l as Na	100ml, PB	1500
014122	Zinc Standard 1000µg+1 µg as Zn	100ml, PB	1500

* Shelf life 2-3 Years from the date of manufacture.





Envirotech Quality Research

Inductively Coupled Plasma (ICP) Standards (Plasma Emission Spectroscopy)


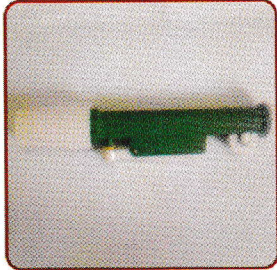


These standards are prepared using reagents of ultra-high-pure grade with two stage deionized water and ultrapure grade acids. These standard are prepared gravimetrically to contain the concentration as desired in analysis.

Cat log No	Description	Pack Size	Price in ₹
12001	Aluminium ICP Standard 100 PPM in Nitric acid	100ml, PB	3500
12002	Aluminium ICP Standard 100PPM in Nitric acid	500ml, PB	5000
12003	Antimony ICP Standard 100PPM in Hydrochloric acid	100ml, PB	3500
12004	Cadmium ICP Standard 100PPM in Nitric acid	100ml, PB	4500
12005	Calcium ICP Standard 100PPM in Nitric acid	100ml, PB	2500
12006	Chromium ICP Standard 100PPM in Nitric acid	100ml, PB	3000
12007	Cobalt ICP Standard 100PPM in Nitric acid	100ml, PB	3200
12008	Copper ICP Standard 100PPM in Nitric acid	100ml, PB	3000
12009	Copper ICP Standard 100PPM in Nitric acid	100ml, PB	3000
12010	Iron ICP Standard 100PPM in Nitric acid	100ml, PB	3000
12011	Iron ICP Standard 100PPM in Nitric acid	500ml, PB	4900
12012	Lead ICP Standard 100PPM in Nitric acid	100ml, PB	2500
12013	Lead ICP Standard 500PPM in Nitric acid	100ml, PB	4000
12014	Magnesium ICP Standard 100PPM in Nitric acid	100ml, PB	3000
12015	Manganese ICP Standard 100PPM in Nitric acid	100ml, PB	3000
12016	Molybdenum ICP Standard 100PPM in Ammonia	100ml, PB	3000
12017	Nickel ICP Standard 100PPM in Nitric acid	100ml, PB	3000
12018	Potassium ICP Standard 100PPM in Nitric acid	100ml, PB	3000
12019	Silica ICP Standard 100PPM in Nitric acid	100ml, PB	3000
12020	Silver ICP Standard 100PPM in Nitric acid	100ml, PB	3000
12021	Sodium ICP Standard 100PPM in Nitric acid	100ml, PB	2800
12022	Zinc ICP Standard 100PPM in Hydrochloric acid	100ml, PB	2500
12023	Mixed standard solution I- Manganese 100PPM, Cadmium 100PPM, Lead- 100PPM	100ml, PB	7200
12024	Mixed standard solution II- Copper- 100PPM, Iron- 100PPM & Cobalt- 100PPM	100ml, PB	7200
12025	Mixed standard solution III- Calcium- 100PPM, Sodium- 100PPM	100ml, PB	7200
12026	Potassium- 100PPM & Nickel -100PPM Calibration Blank Solution for ICP	500ml, PB	7800



Envirnotech Quality Research

LABORATORY ACCESSORIES

Cat log No	Description	Pack Size	Price in ₹
V01	Pipette Pump Rubber  <p>Pump opening is designed to fit in all pipette. To be used in pipette from 1ml to 100ml for pipetting solution and reagent safe & accurate.</p>	1 Pc	1000
V02	Pipette Pump Plastic  <p>Fast, Accurate pipetting device for gradual & quick disposal of liquid. Resist from light acid, alkali & other solvents</p>	1 Pc	850
A00001	Lab Coat  <p>Specially designed for laboratory use with four pocket made of wrinkle free cloth in white colour size S, M, L, XL, XXL in full length /coat size as desired separate deign for male/Female</p>	1 Pc	1500
PP0001	Petri Plates Aluminium (55MM)  <p>Aluminium petriplates, Autoclavable, reusable & unbreakable 55mm dia best for the bacteriological test using membrane size 45-50mm dia</p>	10 Pc	1500



Envirnotech Quality Research

REAGENTS & SOLUTION

Cat log No	Description	Pack Size	Price in ₹
Sulc 130911	Conditioning reagent for determination of sulphate	500ml, PB	2500
Sulc 130912	Conditioning reagent for determination of sulphate	250ml, PB	1500
EFSF00001	Electrode filling solution for Fluoride electrode for ISE Meter/Ion Meter	100ml, PB	2200
EFSN000001	Electrode filling solution for Nitrate electrode for ISE Meter/Ion Meter	100ml, PB	2200
EFSN00002	Electrode filling solution for pH Combination electrode	100ml, PB	800
HI130911	Inhibitor I for removal of metal Interference in Hardness test	500ml, PB	1800
101297	ISA (Ionic Strength adjuster) For Nitrate using pH/ ISE Meter	475ml, PB	7500
000333	pH electrode storage solution	500 ml	1400
000303	Lab Cleaning solution Alkaline	5 ltr	1750
000305	Lab Cleaning solution Alkaline	2.5 ltr	1000
130911	Phenol-di-sulphonic acid for determination of Nitrate 25%W/V , Clear, Transparent Analytical Grade	500ml, GB	4900
130922	Potassium Hydroxide 12 N for determination of Nitrate	500ml, PB	400
003333	Optical device cleaning solution for cleaning of cuvette, Tubes	100ml	350
200811987	Silver Sulphate solution for removal of interference in Nitrate test Contents- 0.443% as AgSO ₄	500ml, PB	2900
210160	Special Reagent for Manganese Determination for Manganese test as per APHA method	475ml, PB	5500
20021974	SPANDS Solution for determination of Fluoride	125 ml GB	650
301213	Sodium Hydroxide 1N	500ml, PB	180
300563	TISAB III solution for determination of Fluoride by Ion meter suitable for fluoride concentration within range 0.1-100 PPM	475ml, PB	10900
300563A	TISAB II Solution for determination of Fluoride by Ion meter suitable for fluoride concentration in low range (0.01 - 1.0 PPM)	475ml, PB	8000
070265	TISAB IV solution for determination of Fluoride by Ion meter Suitable for fluoride concentration in those samples where Iron and fluoride is found in high concentration	475ml, PB	12200
20081986	Zirconyl-Alizarin Red Mixed solution for Fluoride Determination	125ml, GB	650
100012	Zirconyl-Alizarin Red Mixed solution for Fluoride Determination	500ml, PB	2300
RW0030	Reagent Gr I Water Conductivity < 2µmho/ltr	5 Ltr. PP	650



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014114A	Copper Standard 20+0.2mg /l as Cu	500ml, PB	2500
014115	Iron Standard 100mg+ 0.1mg as Fe	100ml, PB	1250
014115A	Iron Standard 100mg+ 0.1mg as Fe	500ml, PB	3000
014116	Lead Standard 2000µg+2 µg as Pb	100ml, PB	1400
014116A	Lead Standard 2000µg+2 µg as Pb	500ml, PB	3000
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014117A	Manganese Standard 50mg+0.2mg as Mn	500ml, PB	3300
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014119A	Potassium Standard 10mg+0.2mg as K	500ml, PB	15000
014120	Silver Standard 1000µg+1 µg as Ag	100ml, PB	1600
014121	Sodium Standard 100mg + 1mg/l as Na	100ml, PB	1500
014122	Zinc Standard 1000µg+1 µg as Zn	100ml, PB	1500

* Shelf life 2-3 Years from the date of manufacture.





Envirnotech Quality Research

FIELD WATER TESTING KITS

We designed a Multiple parameter " Mini Water testing field kit" for community water quality monitoring work in respect to the norms of National rural drinking water programme. The Kit is designed for testing the following parameters of Drinking water:-

- (a) Hardness (b) Chloride (c) pH Value (d) Turbidity
(e) Iron (f) Residual Chlorine (g) Nitrate (f) Fluoride

All the parameters mentioned above can be tested qualitatively & semi quantitatively in respect to the potability of the water for hundred tests. We also provide refills of afore said kits for individual or all test at very low rates. The kit is evaluated by the Maulana Azad National Institute of Technology (MANIT) Bhopal and allotted B1 rating it is also verified by Regional Research Laboratory RRL Bhopal in its report and its preliminary verification was also made by state PHED MP. The kit is a user friendly and best fitted for the use within community water quality testing work.

S.No.	Description	Unit Cost
1	Mini water testing kit for testing of Hardness, Chloride, pH, Turbidity, Iron, Residual Chlorine, Nitrate & Fluoride for 100 samples with operation manual & carry bag	₹ 2500/-
2	Refill for Fluoride kit	₹ 500
3	Refill for pH Kit	₹ 100
4	Refill for Chloride Kit	₹ 400
5	Refill for Nitrate Kit	₹ 400
6	Refill for Hardness Kit	₹ 200
7	Refill for Iron Kit	₹ 350
8	Refill for Residual Chlorine test kit	₹ 100
9	Microbiological vial Bottle	₹ 30

Envirnotech-QR

मिनी फील्ड वाटर टेस्टिंग किट

Operation Manual





Envirnotech Quality Research

Plot No 92-93 Mandakni Housing society Kolar Road Bhopal
Email-info@envirnotech.com, website-www.envirnotech.co

Test Your Water Before Taste

Envirnotech Quality Research (EQR) is a analytical testing laboratory and a specialized consultancy service relating to water purification through well-equipped advanced water testing equipment's and expert scientists. We provide the expertise in the field of drinking water quality monitoring. We have a group of experienced former scientists from the Government institution and well qualified staff.

We test the water for various Physico-Chemical parameters that are important in estimation of drinking water quality in central India such as Turbidity, pH, Color, Total Hardness, Chlorides, Iron, Fluorides, Nitrates and Residual Chlorine as per IS specifications. We also test Bacteriological quality of water as per the requirement of drinking water specification of BIS i.e. IS-10500.

We also provide services for R&D related activity to improving water quality, assessment of water quality problems, water quality mapping, etc. We also provide expert advice in Research work, water purification system, Project work, water quality control, data analysis.

We perform the services for assessment of water quality surveillance through well experienced scientists and chemists by site inception and Bacteriological water quality analysis. The areas of work are as follows:-

- ▶ Detailed Physico-chemical Water quality monitoring.
- ▶ Bacteriological test.
- ▶ Survey of Fluoride in drinking water.
- ▶ Assessment of sanitary risk in drinking water sources.
- ▶ Sure solution on water quality problem.
- ▶ Determination of efficiency of various water treatment units.
- ▶ Assessment the water quality for installation of water purification System etc.



Envirnotech Quality Research

An ISO 9001-2008 Certified Organization

Plot No 92-93 Mandakni Housing society Kolar Road Bhopal

Website www.envirnotech.co ,Email-info@envirnotech.co

ANALYSIS CHARGES

S.No.	Items	Rates* (In Rs)	Per
1.	Physico-Chemical Analysis (Turbidity, pH, Conductivity, Chloride, Total hardness, Calculated TDS, Nitrates, Iron, Fluoride)	500	Sample
2.	Bacteriological Test (Coliform Organism & Thermo tolerant coliform)	150	Sample
3.	Single Parameter as mentioned above in 1	50	Parameter
4.	Sampling charges within Bhopal (Includes Sanitary survey, test of pH, Temperature, with sample container)	200	Sample
5.	Sampling charges outside Bhopal On application	On application	-
6.	Analysis of data & Preparation of District water quality map	On application	-
7.	Assessment of risk in Sanitary survey and Bacteriological Test	On application	-
8.	Assessment of water quality in distribution system	On application	-
9.	Identification of water quality problem and project report	On application	-
10.	Hiring the Scientific staff with mobile laboratory for water quality monitoring work	On application	-

* Service Tax and other tax as applicable will be extra.

** Term "On Application" will be computed using following formula =
(Salary of staff engaged for the work X days) + Halt allowance + Mobility charges + Analysis charges
if any + Instrumentation charges if any + Any other charges + 10% profit + Taxes

NOTE: Test report will be ready at lab with in 48 hour after receive the samples in the lab.



periodic table of the elements

1/1s
Hydrogen
H
1.00794
1

2/1s

Lithium
Li
6.941
3
+1

Beryllium
Be
9.012182
4
+2

Sodium
Na
22.989770
11
+1

Magnesium
Mg
24.3050
12
+2

Potassium
K
39.0983
19
+1

Calcium
Ca
40.078
20
+2

Rubidium
Rb
85.4678
37
+1

Sr
87.62
38
+2

Cesium
Cs
132.90545
55
+1

Barium
Ba
137.327
56
+2

Francium
Fr
223.0197
87
+1

Radium
Ra
226.0254
88
+2

Ra
-18-8-2

Actinides
AC
227.0277
89
+3

La
138.9055
57
+3

Ce
140.116
58
+3

Pr
140.90765
59
+3

Nd
144.24
60
+3

Pm
144.9127
61
+3

Sm
150.36
62
+3

Eu
151.964
63
+3

Gd
157.25
64
+3

Tb
158.92534
65
+3

Dy
162.50
66
+3

Ho
164.93032
67
+3

Er
167.259
68
+3

Tm
168.93421
69
+3

Yb
173.04
70
+3

Lu
174.967
71
+3

La
181.9055
57
+3

Ce
180.9055
58
+3

Pr
180.90765
59
+3

Nd
184.24
60
+3

Pm
184.9127
61
+3

Sm
190.90683
62
+3

Eu
190.90683
63
+3

Gd
190.90683
64
+3

Tb
190.90683
65
+3

Dy
190.90683
66
+3

Ho
190.90683
67
+3

Er
190.90683
68
+3

Tm
190.90683
69
+3

Yb
190.90683
70
+3

Lu
190.90683
71
+3

Th
232.0381
90
+3

Pa
231.03688
91
+3

U
238.02891
92
+3

Np
237.0482
93
+3

Pu
244.0642
94
+3

Am
243.0614
95
+3

Cm
247.0704
96
+3

Bk
247.0703
97
+3

Cf
251.0796
98
+3

Es
252.0830
99
+3

Fm
257.0951
100
+3

Md
258.1010
101
+3

No
259.1010
102
+3

Lr
260.1037
103
+3

KEY

+1 79

+3 Au

196.9665

-32-18-1

Common Oxidation States

Atomic Number

Atomic Symbol

Atomic Weight

Electron Configuration of Outer Shells

Transition Elements

13VIIa	13VIIa	14VIIa	15VIIa	16VIIa	17VIIa	18VIIa
Boron B +3 10.811 2-3	Carbon C +2 12.0107 2-4	Nitrogen N +1 14.0067 2-5	Oxygen O -2 15.9994 2-6	Fluorine F -1 18.9984032 2-7	Neon Ne 0 20.1797 2-8	Helium He 0 4.002602 2
Aluminum Al +3 26.98154 2-8-3	Silicon Si +4 28.0855 2-8-4	Phosphorus P +3 30.973761 2-8-5	Sulfur S +4 32.065 2-8-6	Chlorine Cl -1 35.453 2-8-7	Argon Ar 0 39.948 2-8-8	Krypton Kr 0 83.80 -8-18-8
Gallium Ga +3 69.723 -8-18-3	Germanium Ge +4 72.64 -8-18-4	Arsenic As +3 74.92160 -8-18-5	Selenium Se +4 78.96 -8-18-6	Bromine Br -1 79.904 -8-18-7	Xenon Xe 0 131.293 -8-18-8	Radon Rn 0 222.0176 -32-18-8
Indium In +3 114.818 -18-3	Tin Sn +2 118.710 -18-4	Antimony Sb +3 121.760 -18-5	Tellurium Te +4 127.60 -18-6	Iodine I -1 126.90447 -18-7	Xenon Xe 0 131.293 -8-18-8	Radon Rn 0 222.0176 -32-18-8
Thallium Tl +1 204.3833 -32-18-3	Lead Pb +2 207.2 -32-18-4	Bismuth Bi +3 208.98038 -32-18-5	Polonium Po +4 209 -32-18-6	Astatine At -1 208.9871 -32-18-7	Xenon Xe 0 131.293 -8-18-8	Radon Rn 0 222.0176 -32-18-8
Ununium Uun +1 111	Ununium Uuu +2 112	Ununium Uuu +3 113	Ununium Uuu +4 114	Ununium Uuu +5 115	Ununium Uuu +6 116	Ununium Uuu +7 117

Lanthanides	Lanthanum La 57 +3	Cerium Ce 58 +3	Praseodymium Pr 59 +3	Neodymium Nd 60 +3	Promethium Pm 61 +3	Samarium Sm 62 +3	Europium Eu 63 +3	Gadolinium Gd 64 +3	Terbium Tb 65 +3	Dysprosium Dy 66 +3	Ho 67 +3	Erbium Er 68 +3	Thulium Tm 69 +3	Ytterbium Yb 70 +3	Lutetium Lu 71 +3
Actinides	Actinium Ac 89 +3	Thorium Th 90 +3	Protactinium Pa 91 +3	Uranium U 92 +3	Nepthunium Np 93 +3	Plutonium Pu 94 +3	Americium Am 95 +3	Curium Cm 96 +3	Berkelium Bk 97 +3	Californium Cf 98 +3	Einsteinium Es 99 +3	Fermium Fm 100 +3	Mendelevium Md 101 +3	Nobelium No 102 +3	Lawrencium Lr 103 +3

solids

liquids

gases



For any Query pl visit our Websites www.envirnotech.com/www.envirnotech.co

Please visit our website to know the name & address of our stockist/ Dealer in your area.

WE ALSO PROVIDES TEST PROCEDURE FOR STANDRIZATION AND CALIBRATION TECHNIQUE IN HINDI IN OUR WEBSITE.

KINDLY SEE THE DESCRIPTION OF OUR PRODUCT IN OUR WEBSITE USING ARTICLE NO & BATCH NO.

Kindly note that we'll not entertain any complaints regarding our product if the materials purchased from supplier who is not appointed by us or our stockist as dealer.



Envirnotech Quality Research

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