

Drinking Water Quality Testing Country Fact Sheet: Ethiopia

Country Drinking Water Quality Standards

Drinking Water Quality Parameter	National Standard
Microbiological (e.g., <i>E. coli</i>)	0 CFU/100 mL
Turbidity	5 NTU
Nitrate	50 mg/L
Arsenic	0.01 mg/L
Fluoride	1.5 mg/L
Iron	0.3 mg/L

Laboratories

Licensed

- **Ministry of Water and Energy**

Haile G/Silassie Avenue
P.O.Box 5744 and 5744
Addis Ababa, Ethiopia
Tel: +251-1-6611111
Email: info@mowr.gov.et

- **Regional Health Bureaus**

According to the Federal Ministry of Health, Department of Hygiene and Environmental Health, the following regional health laboratories are able to test the microbiological quality of water:

- Tigray Health Research Center at Mekelle (Tigray Regional State)
- Public Health Laboratory of Dessie town (Amhara Regional State)
- Amhara Health Research Laboratory at Bahir Dar (Amhara Regional State)
- Public Health Regional Laboratory of Awassa (SNNPR)
- Public Health Regional Laboratory of Arba Minch town(SNNPR)
- Public Health Regional Laboratory of Mizan Teferi town (SNNPR)
- Public Health Regional Laboratory of Jinka town (SNNPR)
- Public Health Regional Laboratory of Jimma town (Oromiya Regional State)
- Public Health Regional Laboratory of Adama town (Oromiya Regional State)
- Public Health Regional Laboratory of Nekemte town (Oromiya Regional State)
- Public Health Regional Laboratory of Harar town (Oromiya Regional State)

Drinking Water Quality Testing Country Fact Sheet: Ethiopia

- **Addis Ababa Water and Sewerage Authority**
PO Box 1505
Addis Ababa, Ethiopia
Website: www.aawsa.gov.et
- **Quality and Standard Authority of Ethiopia**
Ethiopian Standards Agency
PO Box 2310
Addis Ababa, Ethiopia
Tel: +251 11 6 46 01 11
Fax: +251 11 6 46 08 80
Website: www.ethiostandards.org
Email: info@ethiostandards.org
- **Water Work Design and Supervision Enterprise Laboratory Service Sub Process**
PO Box 2561
Addis Ababa, Ethiopia
Phone: (+251) 0116614501/116-185516
Fax: (+251) 0116615371/610898
Website: www.wwdse.com.et
Email: w.w.d.s.e@telecom.net.et
- **Awash Melkasa Aluminum Sulfate and Sulfuric Acid Share Company**
Awash Melkasa Aluminium Sulphate
PO Box 15757
Tel: 554571/0221114703/0221113809
Cell: 11207313
Fax: 0221114702
Email: amassaf@ethionet.et
- **Environmental Authority of Ethiopia** (no address or contact information)
- **Ethiopian Agricultural Research Organization** (no address or contact information)
- **Institution of Geological Survey** (no address or contact information)

Non-licensed

- None are known



Drinking Water Quality Testing Country Fact Sheet: Ethiopia

Local Organizations Doing Water Quality Testing

- **Ethiopian Kale Heywet Church Development Programme (EKHCDP), Addis Ababa**

Provides microbiological, physical and chemical water quality analysis using Wagtech and Delagua test kits and equipment.

PO Box 5829

Addis Ababa, Ethiopia

Tel: 0115526201

Fax: 0115512763

Website: www.ekhc.org

Email: saraelon@yahoo.com

Contact: Addise Amado Program Manager for Water and Sanitation

Local Organizations Providing Training for Water Quality Testing

- **Ethiopian Kale Heywet Church Development Programme (EKHCDP), Addis Ababa**

PO Box 5829

Addis Ababa, Ethiopia

Tel: 0115526201

Fax: 0115512763

Website: www.ekhc.org

Email: saraelon@yahoo.com

Contact: Addise Amado Program Manager for Water and Sanitation

Type of training provided: Introduction to Drinking Water Quality Testing workshops

Audience: Government staff, nongovernmental organizations (NGOs), community based organizations (CBOs), individuals working in the water and sanitation sectors

- **Wagtech Ethiopia P.L.C**

PO Box 14585

Addis Ababa, Ethiopia

Tel: 0116633280

Fax: 0116633281

Email: info@wagtechethiopia.com

Type of training provided: Physical, chemical, and microbiological water quality testing

Audience: Anyone who purchases equipment or kits from Wagtech



Drinking Water Quality Testing Country Fact Sheet: Ethiopia

Local Suppliers

Hardware Equipment

- **Wagtech Ethiopia PLC**

P.O.Box 14585
Addis Ababa, Ethiopia
Email: info@wagtechethiopia.com
Tel: 0116633280
Fax: 0116633281

Type of Hardware

Potakit
Potalab
Arsenator for arsenic testing

- **Hach Distributor**

Addis Ababa, Ethiopia

Type of Hardware

Incubator
Filtration apparatus
Glassware

Consumable Items

- **Afro German Chemicals EST.PLC**

Tel: (+251-011)1550200
Cell : (+251-091)1470276
Fax: (+251-011)1551057
Email: yitbarek.tsegaye@yahoo.com

Type of Consumables

Methanol

- **BIO.MED**

Tel: (+251-011)-4-674417/ 698886
Cell: (+251-091)1233044
Email: bio-med@ethionet.et

Type of Consumables

Sampling bottles
Methanol
Ethanol
Distilled water

- **BORUFIS**

Tel: (+251-011)4-6603-27
Cell: (+251-091)-514479/465019
Fax: (+251- 011)4-669995
Email: bemsplc@ethionet.et

Type of Consumables

Sampling bottles
Methanol
Ethanol
Distilled water

- **General Chemicals & Trading**

Tel: (+251-011)5510287/88,
Cell: (+251-091)1201107
Fax: (+251-011)5514979
Email: gct@ethionet.et

Type of Consumables

Methanol
Ethanol
Distilled water

Drinking Water Quality Testing Country Fact Sheet: Ethiopia

- LOPHA Pharmaceuticals**
Tel: (+251-111) 4655897/4668616
Cell: (+251-911-253600)
Fax: +251-114668615
Website:
www.lophapharmaceuticals.com
Type of Consumables
Methanol
Ethanol
Distilled water
Sample bottle
- Hach Distributor**
Addis Ababa, Ethiopia
Type of Consumables
m-ColiBlue24 culture media
Dilution water (buffered)
Filter paper
Petri dishes and pads
- WISE TEAM PLC**
Tel: 251-111-564514
Cell: 251-91-1607340
Email: wiseteam@ethionet.et
Type of Consumables
Sampling bottles
Ethanol
Methanol
- Wagtech Ethiopia**
Wagtec Ethiopia PLC
PO Box 14585
Addis Ababa, Ethiopia
Email: info@wagtechethiopia.com
Tel: 0116633280
Fax: 0116633281
Type of Consumables
Reagents
Pipettes
MLSB culture media

Membrane Filtration Culture Media Used in the Country

- Membrane Lauryl Sulphate Broth (MLSB)
- m-ColiBlue24

Tips for Working in the Country

- Importing equipment and supplies is expensive, customs and duty are high (may have tax exemption if a not for profit organization).
- Wagtech has a supplier in country, but be prepared for substantially higher costs than buying direct (up to 3 times the cost).
- Be aware of the electrical outlet configuration for imported equipment. If it is a South African plug, it is difficult to get the proper adapter in Ethiopia.

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CAWST (Centre for Affordable Water and Sanitation Technology)
Calgary, Alberta, Canada
Website: www.cawst.org Email: resources@cawst.org
Wellness through Water.... Empowering People Globally
Last Update: October 2013

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