



# ETHIOPIAN ACCREDITATION SERVICE ACCREDITATION CERTIFICATE

Ethiopian Conformity Assessment Enterprise (ECAE)

Addis Ababa  
Ethiopia

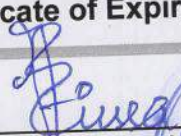
Facility Accreditation No: **T0028**

Is accredited by the Ethiopian Accreditation Service (EAS) to perform tests in accordance with the attached *Scope of Accreditation* in the field of

**Chemical, Microbiology, Electrical, Textile, and Mechanical testing**

The facility is accredited in accordance with the requirements of **ISO/IEC 17025:2017**, General requirements for the competence of testing and calibration laboratories. The accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system. While this certificate remains valid, the Accredited Facility named above is authorized to use a combined **ILAC-EAS** accreditation mark/symbol to issue test reports and/or certificates.

**Effective Date: 27 September 2023**  
**Certificate of Expiry: 26 March 2028**

  
Mr. Bonsa Bayissa  
Director-General  
Ethiopian Accreditation Service







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ETHIOPIAN ACCREDITATION SERVICE

**SCOPE OF ACCREDITATION**  
Facility Accreditation No: **T0028**

<p><b>Permanent Address of Laboratory:</b> <b>Name of the Lab:</b> Ethiopian Conformity Assessment Enterprise (ECAE)</p>	<p><b>Management Signatories:</b> Mr. Mulugeta Mehari <b>Nominated Representative:</b> Mrs. Abeba Habtu</p>
<p><b>Location:</b> Bole Sub-city wereda 06 Addis Ababa, Ethiopia</p>	<p><b>Technical Signatories:</b> <b>Food, Agriculture &amp; Chemical Testing lab</b></p>
<p><b>Postal Address:</b> 11145, Addis Ababa, Ethiopia</p>	<p><b>Biscuit</b> Bizunesh Minlargih Menbere Wabi Yezina Denekew Abrha Mengistu</p>
<p><b>Telephone No:</b> +251 (0) 11646 0683</p>	<p><b>Animal and vegetable fats and oils products</b> Yezina Denekew Bizunesh Minlargih</p>
<p><b>Fax No:</b> +251 (0) 11645 9720</p>	<p><b>Fruits and vegetable products</b> Yezina Denekew Dawit Tesfaye</p>
<p><b>Email:</b> info-tld@eca-e.com</p>	<p><b>Soft drink</b> Yezina Denekew Dawit Tesfaye</p>
<p><b>Website:</b> Ecae-e.com</p>	<p><b>Water</b> Bekama Fekadu Bizunesh Minlargih Dawit Tesfaye</p>
	<p><b>Wine</b> Bekama Fekadu Bizunesh Minlargih Dawit Tesfaye <b>Roasted ground coffee</b> Dawit Tesfaye</p>

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Director-General  
Ethiopian Accreditation Service







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<p><b>Permanent Address of Laboratory:</b>  <b>Name of the Lab:</b>          Ethiopian Conformity Assessment          Enterprise (ECAE)</p> <p><b>Location:</b>          Bole Sub-city wereda 06          Addis Ababa, Ethiopia</p> <p><b>Postal Address:</b>          11145, Addis Ababa, Ethiopia</p> <p><b>Telephone No:</b>          +251 (0) 11646 0683</p> <p><b>Fax No:</b>          +251 (0) 11645 9720</p> <p><b>Email:</b>          info-tld@eca-e.com</p> <p><b>Website:</b>          Ecae-e.com</p>	<p><b>Honey</b>          Mitiku Diriba          Alemayehu Moges          Tsehaye Tadesse</p> <p><b>Milk powder</b>          Tsehaye Tadesse          Alemayehu Moges          Mitiku Diriba</p> <p><b>Soya bean</b>          Alemayehu Moges          Tsehaye Tadesse          Mitiku Diriba</p> <p><b>Sugar</b>          Mitiku Diriba          Alemayehu Moges          Tsehaye Tadesse</p> <p><b>Animal Feeding Staffs</b>          Mitiku Diriba          Alemayehu Moges          Tsehaye Tadesse</p> <p><b>Bees wax</b>          Mitiku Diriba          Alemayehu Moges          Tsehaye Tadesse</p> <p><b>Oil seed</b>          Mitiku Diriba          Alemayehu Moges          Tsehaye Tadesse</p> <p><b>Fertilizer</b>          Mitiku Diriba          Alemayehu Moges          Tsehaye Tadesse</p>
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*Handwritten signature of Mr. Bohnsa Bayissa*

Mr. Bohnsa Bayissa  
Director-General  
Ethiopian Accreditation Service








### SCOPE OF ACCREDITATION

Facility Accreditation No: T0028

<b>Permanent Address of Laboratory:</b>	<b>Edible Salt</b>
<b>Name of the Lab:</b>	Bekama Fekadu
Ethiopian Conformity Assessment Enterprise (ECAE)	Abrha Mengistu
	Dawit Tesfaye
	<b>Toilet and Laundry soap</b>
	Enyew Guade
<b>Location:</b>	Fitsum G/medihim
Bole Sub-city wereda 06	Bekalu Lingerih
Addis Ababa, Ethiopia	<b>Detergent Powder</b>
	Enyew Guade
	Fitsum G/medihim
<b>Postal Address:</b>	Bekalu Lingerih
11145, Addis Ababa, Ethiopia	<b>Teff Flour</b>
	Mitiku Diriba
<b>Telephone No:</b>	Alemayehu Moges
+251 (0) 11646 0683	Tsehay Tadesse
	<b>Flour</b>
	Mitiku Diriba
<b>Fax No:</b>	Alemayehu Moges
+251 (0) 11645 9720	Tsehay Tadesse
	<b>Liquors</b>
<b>Email:</b>	Bekama Fekadu
info-tld@eca-e.com	Dawit Tesfaye
	<b>Pasta (Macaroni, Spaghetti, and noddle's)</b>
	Bekama Fikadu
	Yezina Denekew
<b>Website:</b>	Bizunesh Minlarigih
Ecae-e.com	Menbere Wabi

  
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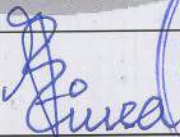


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### SCOPE OF ACCREDITATION

Facility Accreditation No: T0028

<b>Permanent Address of Laboratory:</b> <b>Name of the Lab:</b> Ethiopian Conformity Assessment Enterprise (ECAE)	<b>Microbiological Testing</b> Nahusenay Gedif Sitotaw Molajaw Frehiwot Dagma Tegegne Agalu Selamawit Abiy
<b>Location:</b> Bole Sub-city wereda 06 Addis Ababa, Ethiopia	<b>Electrical Testing</b> Tatek Shiferaw Berhanu Sisay Getahun Alemnew Mulugeta Addisu
<b>Postal Address:</b> 11145, Addis Ababa, Ethiopia	<b>Textile Testing</b> Zemene Mulualem Zerihun Fanose Yared Fikru
<b>Telephone No:</b> +251 (0) 11646 0683	<b>Mechanical Testing</b> Gorebet Kindu Yohannes Kedir Ayalew Gashaw Daniel Ketema Liyew Wudie Adam Hailu
<b>Fax No:</b> +251 (0) 11645 9720	<b>Original date of Accreditation:</b> 29 March 2019
<b>Email:</b> info-tld@eca-e.com	<b>Issue No:</b> 03
<b>Website:</b> Ecae-e.com	<b>Date of issue:</b> 27 September 2023
	<b>Expiry date:</b> 26 March 2028

  
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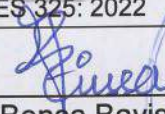






**SCOPE OF ACCREDITATION**  
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Field of Testing	Sample	Test Method	Type of tests	
Chemical	Biscuit	ES1064:2022	Moisture	
		ES ISO 1871: 2013	Protein	
	Animal and vegetable fats and oils products	ES ISO 663:2019	Insoluble Impurities	
		ES ISO 662:2019	Moisture & Volatile matter	
		ES 56: 2018	Relative Density	
	Fruits and vegetable products	ES ISO 660:2009	Acid Value and Acidity	
		ES ISO 1842:2014	pH value	
		ES ISO 2173: 2018	Soluble solids	
	Soft drink	ES ISO 750:2013	Titratable acidity (Reference method)	
			Titratable acidity (Routine method)	
	Water	ES ISO 2173: 2018	Brix value	
		ES ISO 10523:2014	pH value	
	Wine	ES ISO 9963-1: 2014	Total alkalinity	
			ES 607: 2001	Total hardness
			ES ISO 9297: 2014	Chloride
			ES ISO 7888:2014	Electrical conductivity
			ES 609:2001	Total dissolved solid (TDS)
			ES 319: 2022	Alcohol content
			ES 337: 2019	Free Sulphur dioxide
	Wine	ES 318: 2019	Relative density	
ES 334: 2019			Sulphate	
ES 323: 2019			Total acidity	
ES 325: 2022			Total volatile acidity	

  
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Field of Testing	Sample	Test Method	Type of tests
Chemical	Roasted ground coffee	ES ISO 11294: 2012	Moisture
	Honey	HMIHC	Moisture
			Water- insoluble matter
			Ash content
	Milk powder	ES ISO 1871: 2013 BCTL/SOP/MO31.01	Protein Content
			Moisture content
	Soya bean	ES 478:2012 ES ISO 1871: 2013	Moisture content
			Protein
	Sugar	CES 214: 2018 Annex B	Moisture content
			Conductivity of Ash
		CES 214: 2018 Annex E	Polarization
			Insoluble Matter
	Animal Feeding Staffs	ES 1032-1 Clause 5: 2019 ES 1032-1 Clause 6: 2019 ES 1032-1 Clause 7: 2019 ES 1032-1 Clause 10: 2019	Moisture
			Protein
			Fat content
			Acid insoluble ash
	Bees wax	ES 1203: 2021annex D ES 1203: 2021annex F ES 1203: 2021 annex G ES 1203: 2021 annex H	Ash
			Acid value
			Saponification
			Ester value
	Oil seed	ES ISO 659: 2012 ES 25: 2001	Oil content
			Moisture and volatile matter
	Fertilizer	ES 402:2008 AOAC 965.08 AOAC 962.02 AOAC 957.02 and AOAC 962.02	pH
			Free water
Total Phosphorous as P <sub>2</sub> O <sub>5</sub>			
Water-Soluble Phosphorous as P <sub>2</sub> O <sub>5</sub>			

  
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Field of Testing	Sample	Test Method	Type of tests
Chemical	Edible Salt	ES ISO 2481: 2013	Chloride as sodium chloride
		ES ISO 2480: 2013	Sulphate
		ES ISO 2479: 2013	Matter insoluble in water
		East, central and southern Africa health community manual of laboratory method for fortified food part 1 (ECSA-HC), 2017	Iodine
		ES ISO 2483: 2013	Loss of mass at 110 <sup>0</sup> C
	Toilet and Laundry soap	ES ISO 685: 2020	Total Fatty Matter
		ES ISO 673: 2020	Ethanol Insoluble Matter
		ES ISO 457: 2020	Chloride Content
		ES 511:2020	Free Caustic Alkali
		ES ISO 672:2020	Moisture and Volatile Matter
	Detergent Powder	CES 105-1: 2017 Annex B	Water insoluble
	Teff Flour	ES ISO 712: 2018	Moisture
		ES ISO 1871: 2013	Protein
	Flour	ES ISO 2171:2022	Ash content
		ES ISO 712: 2018	Moisture
		ES ISO 7305: 2022	Fat Acidity
		ES ISO 1871: 2013	Protein
	Liquors	ES 804: 2019	Alcohol content
		ES 318: 2019	Relative density
		ES 817: 2019	Total Solid
Pasta (Macaroni, Spaghetti, and noodle's)	ES ISO 1871: 2013	Protein	
	ES ISO 712: 2018	Moisture	

  
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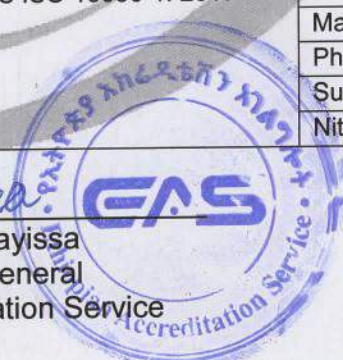


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Field of Testing	Sample	Test Method	Type of tests
Microbiology	Food and Animal Feeding staff	ES ISO 7932: 2021	Enumeration of Presumptive B. cereus,
		ES ISO 7251: 2012	Enumeration of Presumptive E.coli-MPN,
		ES ISO 21567: 2014	Detection of Shigella,
		ES ISO 4833: 2015	Total Plate count
		ES ISO 4831: 2015	Detection and Enumeration of coliforms (MPN)
	Food and Animal Feeding staff (liquid sample water $\geq 0.95$ )	ES ISO 21527-1: 2014	Enumeration of yeast and molds
	Food and Animal Feeding staff (solid sample water $\leq 0.95$ )	ES ISO 21527-2: 2014	Enumeration of yeast and molds
	Food and water	ES ISO 6579-1: 2018	Detection of salmonella
ES ISO 6888-1: 2021		Enumeration of coagulase- positive staphylococci	

Field of Testing	Sample	Test Method	Type of tests
Mechanical	Rebar	ES ISO 15630-1: 2017	Reinforcement bar chemical quantification of
			Carbon (C)
			Silicon (Si)
			Manganese (Mn )
			Phosphorus (P)
			Sulphur (S)
			Nitrogen (N)

  
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Field of Testing	Sample	Test Method	Type of tests
Electrical	CFL	CES 116: 2016	Luminous flux
		CES 116: 2016	Power
	F.LAMP	CES 118: 2016	Luminous flux
		CES 118: 2013	Power
	Cable & Wire	ES IEC 60228:2004-11	Conductor resistance of insulating cables

Field of Testing	Sample	Test Method	Type of tests
Textile	Fibers, Yarns, Fabrics, garments, and textile products	ISO 667:1981 and ES ISO 1833: 2012	Fiber Identification Material Composition
		ES ISO 3801	Grammage
	Fabric	ES ISO 105X-12	Colorfastness rubbing
		ES ISO 3071	pH value
		ES ISO 7211-2	Construction of fabrics/ number of threads



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