



# OCCUPATIONAL HYGIENE AND ENVIRONMENTAL LABORATORY

*Working safe and living healthy  
is your choice!*

**SZUTEST**

## ABOUT SZUTEST

**SZUTEST** is accredited according to the standard "TS EN ISO/IEC 17025 General Requirements for the Competence of Testing and Calibration Laboratories". In line with the aim of protecting human health and nature, **SZUTEST** provides test reports by meeting the demands of its customers in an accurate, reliable, and impartial way.

## WHY OCCUPATIONAL HYGIENE AND ENVIRONMENTAL LABORATORY?

Occupational hygiene measures are important for you to control the environmental conditions in your business. With the services you will receive from **SZUTEST** in the field of **Occupational Hygiene, Environment, and RoHS Tests**, you can;

- Comply with legal requirements,
- Prevent possible occupational diseases,
- Reduce the chemical and physical loads on the employees,
- Protect the health of your employees,
- Protect the health of your customers who use your products,
- Protect public health and leave a cleaner world for future generations,
- Increase your customer satisfaction

## WHY SZUTEST?

**SZUTEST** meets the needs of its customers in many fields with its accredited testing activities within the framework of the principles of high precision, objectivity, and rapid results. The accredited test reports you will receive from **SZUTEST** provide confidence to consumers and a reputation to manufacturers. Our laboratory has extensive measurement and analysis potential to describe conditions in our work environment.

## OUR ACCREDITATIONS AND AUTHORIZATIONS

### TURKAK

Turkish Accreditation Agency



Ministry of Environment, Urbanization and Climate Change



The Ministry of Labor and Social Security



## OUR SERVICES

Occupational hygiene measurements, tests, and analyzes are carried out according to the Occupational Health and Safety Legislation.

### OCCUPATIONAL HYGIENE MEASUREMENTS

- Lighting Measurement
- Thermal Comfort Measurements (WBGT, PMV, Cold Environments)
- Indoor Dust Measurements (Total, Respirable, Rubber Process Dust)
- Personal Exposure Measurements
- Indoor VOC Measurements
- Personal Exposure VOC Measurements
- Instant Gas Measurement
- Indoor Noise Measurements
- Personal Exposure Noise Measurements
- Determination of Suspended Particulate Matter in Ambient Air
- Determination of Vibration
- Heavy Metal Measurements
- Determination of Silica in Respirable Dust
- Magnetic Field Measurement

### EMISSION-IMMISSION MEASUREMENTS

- Combustion Gas Measurements in the Chimney
- Dust and VOC Measurements in the Chimney
- Humidity, Velocity, Flow, Temperature Measurements in the Chimney
- Determination of Soot, HCL, Fluorine (F) in the Chimney
- Determination of Sulfuric (H<sub>2</sub>SO<sub>4</sub>) Acid in the Chimney
- Determination of Hydrogen Sulfide (H<sub>2</sub>S) in the Chimney
- Determination of Hydrogen Cyanide (HCN) in Chimney
- Determination of Chromium IV (Cr +6) in the Chimney
- Determination of Formaldehyde, Heavy Metal in Chimney
- Determination of Total Organic Gas (TOG) in Chimney
- Determination of Dioxin Furan, PAH in Chimney
- Determination of Hydrogen Halide and Halogens in Chimney
- Determination of PM 10
- Determination of Precipitated Powder, Determination of Heavy Metal in Precipitated Dust
- Determination of Gas and Volatile Organic Compounds in Atmosphere
- Determination of Mercaptan in the Atmosphere

### SOIL ANALYSIS

- Determination of Glow Loss of Dry Mass
- Determination of pH, Moisture, Organic Matter
- Determination of Heavy Metal, Oil, and Grease
- Determination of Polychlorinated Biphenyls (PCBs)
- Dry Matter Content/Moisture (%)
- Determination of Electrical Conductivity
- Determination of Hydrocarbons in the C<sub>10</sub>-C<sub>40</sub> Range

### INDUSTRIAL WASTE AND TREATMENT SLUDGE ANALYSIS

- Determination of pH, Chloride, Sulphate, Moisture, Fluoride, Phenol Index, and Heavy Metal
- Determination of Total Dissolved Matter
- Determination of Dry Mass Loss of Glow
- Determination of Polychlorinated Biphenyls (PCBs)
- Determination of Dry Matter Content/Moisture (%)
- Determination of Hydrocarbons in the C<sub>10</sub>-C<sub>40</sub> Range
- Determination of Electrical Conductivity
- Determination of Organic Matter, Oil, and Grease
- Soil Usability Analysis of Treatment Sludge,
- Necessary Analysis for Incineration of Treatment Sludges and Process Wastes in Incineration Plants.

### WATER, WASTEWATER, SEAWATER ANALYSIS

- Determination of pH, Conductivity, Turbidity, Temperature, Salinity, Color
- Determination of Chemical Oxygen Demand (COD)
- Determination of Biochemical Oxygen Demand (BOD)
- Determination of Total Solids
- Determination of Total Dissolved Solids
- Determination of Suspended Solids (AKM)
- Determination of Settable Solids, Oil, and Grease
- Determination of Ammonium/Ammonium Nitrogen
- Determination of Total Kjeldahl Nitrogen
- Determination of Nitrite/Nitrite Nitrogen
- Determination of Nitrate / Nitrate Nitrogen
- Determination of Phosphate / Phosphate Phosphorus
- Determination of Sulfur, Chromium (VI), Bound Chlorine, Free and Total Chlorine
- Determination of Surfactant (MBAS)
- Determination of Dissolved Oxygen, Free Cyanide
- Determination of Total Cyanide and Phenol
- Determination of Dissolved Oxygen, Volatile Solids
- Determination of Carbon Dioxide, Hardness, Calcium, Magnesium, Acidity
- Alkalinity, Sulphate, Fish Bioassay (ZSF), Determination
- Determination of Boron and Hydrocarbons
- Determination of Weak Acid Soluble Cyanide (WAD Cyanide)
- Determination of Sulfite, Heavy Metal, Chlorophyll-a
- Determination of Polychlorinated Biphenyls (PCBs)
- Determination of Tar and Petroleum-Based Oils/Oil and Grease
- Hydrocarbon Oil Index, Hydrogen Sulfide Determination
- Determination of Permanganate Index, Hydrazine, and Redox Potential (ORP)

### ENVIRONMENTAL NOISE AND ENVIRONMENTAL VIBRATION MEASUREMENTS

- Determination of Environmental Noise Level
- Determination of Sound Power Level from Sound Pressure Level Measurements in Industrial Facilities with Multiple Noise Sources
- Determination of Sound Power Level from Sound Pressure Level Measurements from Noise Sources Using Engineering Method
- Determination of Sound Power Level from Sound Pressure Level Measurements from Noise Sources Using the Observation Method
- Measuring Vibration in Buildings and Detection of Structure Damage
- Measuring Air Shock and Ground Vibration Caused by Mining Activities

### INDUSTRIAL WASTE AND TREATMENT SLUDGE ANALYSIS

- Determination of pH, Chloride, Sulphate, Moisture, Fluoride, Phenol Index, and Heavy Metal
- Determination of Total Dissolved Matter
- Determination of Dry Mass Loss of Glow
- Determination of Polychlorinated Biphenyls (PCBs)
- Determination of Dry Matter Content/Moisture (%)
- Determination of Hydrocarbons in the C<sub>10</sub>-C<sub>40</sub> Range
- Determination of Electrical Conductivity
- Determination of Organic Matter, Oil, and Grease
- Soil Usability Analysis of Treatment Sludge,
- Necessary Analysis for Incineration of Treatment Sludges and Process Wastes in Incineration Plants.

### WASTE OIL ANALYSIS

- Determination of Flash Point and Heavy Metal
- Determination of Polychlorinated Biphenyls (PCBs)
- Waste Oil Category Determination Analysis
- Determination of Oil Concentrations of Waste Processes
- Determination of Polychlorinated Terphenyl (PCTs) and Polychlorinated Benzyl Toluene (PCBT)
- Determination of PCBs in Insulation Fluids

### ROHS TESTS

Polymer-Based Electrotechnical Products

- Determination of Cr VI in Metal Materials
- Determination of PBB and PBDE
- Determination of Lead, Mercury, Cadmium, Total Chromium, and Bromine
- Plastics
- Determination of Phthalate (BBP, DBP, DEHP, DIBP)

### REACH TESTS

Tests are carried out in accordance with Regulation 1907/2006 of the European Parliament and Council on the Registration, Evaluation, Authorization, and Restriction of Chemicals (REACH).

*\*Some parameters and scopes above are carried out by our group company ÇEV-TEST.*

# *You Are Safe With Us!*

*Accredited Test Reports Provide Confidence to the  
Consumer and Reputation to the Manufacturer*

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