

	<b>ACCREDITATION DOCUMENT</b>	<b>F-06/02</b> <b>Issue Date : 25/06/08</b> <b>Rev No: 05</b> <b>LAB 034</b>
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### Testing Laboratory

Accreditation Scope of, Centre for Environmental Protection Studies (CEPS), Pakistan Council of Scientific & Industrial Research Laboratories Complex, Lahore, Pakistan

Permanent laboratory premises

Materials/ Products tested	Types of test/ Properties measured	Range of measurement	Minimum detection limit	Uncertainty of Measurement (where applicable) MU (±)	Standard specification/ Techniques/ equipment used
Water & Wastewater	BOD 5 at 25 C	2.0 mg/l -1000 mg/l	2.0 mg/l	0.2 mg/l	5210 B AWWA/APHA, 2005 Titrimetric Method
	COD	2.0 mg/l -2000 mg/l	2.0 mg/	0.1 mg	5220 B AWWA/APHA, 2005 Open reflex Method
	PH Value at 25 C	0.1-14	0.1	.01	4500 - H B AWWA/APHA, 2005 pH Meter
	Chlorides	0.25 mg/l- 1000 mg/l	0.25 mg/l	0.05 mg/l	4500 - Cl B AWWA/APHA, 2005 Titrimetric
	Total Dissolved Solids	2.5 mg/l - 200 mg/l	1.0 mg/l	6.0 mg/l	2540 - C AWWA/APHA, 2005 Gravimetric Method
	Total Suspended Solids	2.0 mg/l - 2000 mg/l	1.0 mg/l	6.0 mg/l	2540 - D AWWA/APHA, 2005 Gravimetric Method
	Grease & Oil	1.0 mg/l - 500 mg/l	1.4mg/l	0.1 mg/l	5520 - B AWWA/APHA, 2005 Gravimetric Method

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Date

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Materials/ Products tested	Types of test/ Properties measured	Range of measurement	Minimum detection limit	Uncertainty of Measurement (where applicable) MU (+)	Standard specification/ Techniques/ equipment used
	Temperature	Ambient-100°C	0.5°C	0.1°C	2550 B-1 AWWA/APHA, 2005 Equipment: Thermometer (Mercury filled, Celsius)
	Phenolic Compounds (as Phenol)	0.05mg/l – 1 mg/l	0.05 mg/l	0.005mg/l	5530 C AWWA/APHA, 2005 Equipment: Spectrophotome ter pH Meter
	Ammonia (NH <sub>3</sub> -N)	> 5mg/l	5 mg/l	0.5 mg/l	4500 B & 4500 C AWWA/APHA, 2005 Equipment: pH Meter
	Sulfide	> 2 mg/l	2.0 mg/l	0.2 mg/l	4500-S <sup>2</sup> -F AWWA/APHA, 2005 Technique: Titremetric
	Sulfate	1mg/l- 40 mg/l	1.0 mg/L	0.1 mg/l	4500-E AWWA/APHA, 2005 Equipment: Spectrophotom er Nephelometer Technique: Turbidity method

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