



Industrial Effluent Analysis

What ALS can offer?

ALS Malaysia provides industrial effluents analytical services, including accredited testing in accordance with Environmental Quality (Industrial Effluent) Regulations 2009 and IETS Performance Monitoring testing.

ALS Malaysia has strategic locations nationwide able to offer on-site sampling and reliable samples pick-up services.

Sample Containers, Preservation and Holding Times



Bottle Label, Type & Analytes	Preservation	Holding Times
(Plastic) BOD, Solids, Fluoride, Formaldehyde, Colour	None	BOD (2 days), General (7 days)
(Glass) Oil & Grease, Phenol	H ₂ SO ₄ , pH <2	28 days
(Plastic) Metals	HNO ₃ , pH <2	Hg (28 days) General (6 months)
(Plastic) Cyanide, Cr (VI)	NaOH, pH >12	14 days
(Plastic) Sulfide	Zn Acetat & NaOH	7 days
(Plastic) Ammoniacal Nitrogen	H ₂ SO ₄ , pH <2	28 days

Laboratory Turnaround Time

5-7 working days upon sample receipt at laboratory.

Test Parameter	Unit	Std A Limit	Std B Limit	Method (APHA)
Temperature	°C	40	40	2550 B
pH Value	pH	6.0-9.0	5.5-9.0	4500-H+ B
BOD5	mg/L	20	50	5210-B
COD	mg/L	80	200	5220-D
Suspended Solids	mg/L	50	100	2540-D
Mercury	mg/L	0.005	0.05	3112 B
Cadmium	mg/L	0.01	0.02	3120 B
Chromium (VI)	mg/L	0.05	0.05	3500-Cr D
Copper	mg/L	0.2	1	3120 B
Arsenic	mg/L	0.05	0.1	3120B
Cyanide	mg/L	0.05	0.1	4500-CN- C&E
Lead	mg/L	0.1	0.5	3120 B
Chromium (III)	mg/L	0.2	1	3500-Cr D
Manganese	mg/L	0.2	1	3120 B
Nickel	mg/L	0.2	1	3120 B
Tin	mg/L	0.2	1	3120 B
Zinc	mg/L	2	2	3120 B
Boron	mg/L	1	4	3120 B
Iron (Fe)	mg/L	1	5	3120 B
Phenol	mg/L	0.001	1	5530 B&D
Free Chlorine	mg/L	1	2	4500 Cl G
Sulfide	mg/L	0.5	0.5	4500-S2-D
Oil and Grease	mg/L	1	10	5520 B
Silver	mg/L	0.1	1	3120 B
Aluminium	mg/L	10	15	3120 B
Selenium	mg/L	0.02	0.5	3125 B
Barium	mg/L	1	2	3120 B
Fluoride	mg/L	2	5	4500 F-D
Formaldehyde	mg/L	1	2	In-house
Ammoniacal Nitrogen	mg/L	10	20	4500 NH3 G
Colour	ADMI	100	200	2120 E

Right Solutions • Right Partner

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