



NABL

National Accreditation Board for Testing and Calibration Laboratories

Department of Science & Technology, India

CERTIFICATE OF ACCREDITATION

WINMET TECHNOLOGIES PRIVATE LIMITED

has been assessed and accredited in accordance with the standard

ISO/IEC 17025:2005

"General Requirements for the Competence of Testing & Calibration Laboratories"

for its facilities at

Plot No. E-65, Site IV, UPSIDC, Greater Noida, Uttar Pradesh

in the discipline of

CHEMICAL TESTING

(To see the scope of accreditation of this laboratory, you may also visit NABL website www.nabl-india.org)

Certificate Number T-3148

Issue Date 19/10/2014



Valid Until 18/10/2016

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the additional requirements of NABL.

Signed for and on behalf of NABL

N. Venkateswaran
Program Manager

Anil Relia
Director

Prof. K. VijayRaghavan
Chairman



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Department of Science & Technology, India

SCOPE OF ACCREDITATION

Laboratory	Winmet Technologies Private Limited, Plot No. E-65, Site-IV, UPSIDC, Greater Noida, Uttar Pradesh		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	19.10.2014
Certificate Number	T-3148	Valid Until	18.10.2016
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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
I.	AIR, GASES & ATMOSPHERE			
1.	Ambient Air	PM _{2.5}	WMN/ENV/AIR/03, Issue no. 1 dated 01.10.2013	10 - 500 µg/m ³
		PM ₁₀ (RSPM)	IS: 5182 (Part -23)-2006, (RA 2012)	10 - 1000 µg/m ³
		Suspended Particulate Matter	IS: 5182 (Part -4)-1999, (RA 2010)	20- 5000 µg/m ³
		Sulphur Dioxide (SO ₂)	IS: 5182 ((Part 2):2001 (RA 2012)	5-1000 µg/m ³
		Nitrogen dioxide (NO ₂)	IS: 5182 ((Part 2):2001 (RA 2012)	5-1000 µg/m ³
		Nitrogen dioxide (NO ₂)	IS: 5182 (Part -6)-2006 (RA 2012)	9-500 µg/m ³
		Ammonia (NH ₃)	WMN/ENV/AIR/07, Issue no. 1 dated 01.10.2013	7-700 µg/m ³
		Ozone (O ₃)	WMN/ENV/AIR/06, Issue no. 1 dated 01.10.2013	5-200 µg/m ³
		Noise Level Leq (Ambient)	IS: 9876-1981(RA .-2007); WMN/ENV/NOISE-01 Issue no.1 dated 5.12.2013	35-130 dB(A)


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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
2.	Stationary Source Emission	Noise Level Leq (source)	IS: 4758: 1968 (RA 2012) WMN/ENV/NOISE-02 Issue no1 dated 5.12.2013	35-130 dB(A)
		Illumination Level	IS: 3646 ((Part 1), 1992, 2003	10-2000 LUX
		Particulate matter (PM)	IS: 11255 ((Part 1):1985 (RA 2009)	10-5000 mg/Nm ³
		Sulphur dioxide (SO ₂)	IS: 11255 ((Part 2):1985 (RA 2009)	5-250 mg/Nm ³
		Oxides of Nitrogen (NOx as NO ₂)	IS: 11255 ((Part 2):1985 (RA 2009)	5-500 mg/Nm ³
II.	WATER			
	Water (Ground water, surface water, potable water, RO water, process water, swimming pool water)	Turbidity	IS: 3025 ((Part 10) -1984 (RA 2012)	1-100 NTU
		pH	IS: 3025 ((Part 11) -1983 (RA 2012)	1 to 14
		Total Hardness	IS: 3025 (Part -21) 2009	2 – 10000 mg/l
		Chloride	IS: 3025 ((Part 32) -1988 (RA 2009) (Method # 2:argentometric)	5 – 5000mg/l


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	Fluoride		APHA 22 nd Ed, 4500F (D) (SPADNS method)	0.1-5 mg/l
	Total Dissolved Solids		IS: 3025 ((Part 16)-1984 (RA 2012)	5 - 10000 mg/L
	Volatile (organic solids)		IS 3025 (Part-18):1984, (RA 2012)	5-200 mg/l
	Fixed (inorganic solids)		IS 3025 (Part-18):1984, (RA 2012)	5-3000 mg/l
	Calcium		IS: 3025 ((Part 40)-1991 (RA 2009) (Section 5 EDTA titrimetric method)	2-1000 mg/l
	Magnesium		IS:3025(Part 46)-1994, (RA 2003)	2-1000 mg/l
	Sulphate		IS: 3025 (Part -24)-1986, Reaff. 2009 (section 2: gravimetric/4: turbidity)	2 - 400 mg/l
	Nitrate		IS: 3025 (Part -34)-1988, (RA 2009) Section: 3.3:chromtropic/3.4 devarda's alloy reduction method	1-100 mg/l


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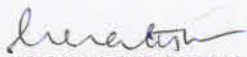
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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Total Alkalinity	IS: 3025 (Part -23)-1986, (RA 2009)	5 - 1000 mg/L
		Phosphates (as P)	IS: 3025 ((Part 31) -1988 (RA -2009) (section 4: stannous chloride method)	0.1-50 mg/l
		Total Suspended solids	IS: 3025 ((Part 17) -1984 (RA 2012)	5 - 10000 mg/L
		Conductivity	IS: 3025 (Part -14):2013	5-10,000 μ mhos/cm
		Acidity	IS: 3025 (Part -22)-1986, (RA 2009)	5- 500 mg/l
		Ammonical nitrogen	IS: 3025 (Part -34)-1988, (RA 2009) Section: 2.3 Nesslerization/ 2.5: titrimetric	0.2- 50 mg/l
		Dissolved Oxygen	IS: 3025 (Part -38)-1989, (RA 2003)	0.1-10 mg/l
		Sodium	IS: 3025 (Part -45)-1993, (RA 2009) (section 5: flame photometry)	5-1000 mg/l
		Potassium	IS: 3025 (Part -45)-1993, (RA 2009) (section 5: flame photometry)	5-1000 mg/l


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