



# POLUCHEM LABORATORIES (P) LTD.

CHEMICAL, ENVIRONMENTAL AND MICROBIOLOGY LABORATORY

PALLATH BUILDING, N. KALAMASSERY P. O., ERNAKULAM - 683104

Phone : 0484-2544030, 8281982322, 9747400085, 9747400089, www.poluchem.com, poluchem@gmail.com

ACCREDITED BY KSPCB AS "A" GRADE LABORATORY

## TEST REPORT

page 01 of 01

Client Name & Address  Mr Musthafa M.K Murikkum Kadan Koottilangady Malappuram	Certificate No:	PL/AMB/RT/10500/2018
	Date of issue:	06/12/2018
	Date of monitoring	01/12/2018 10.00 Hrs to 02/12/2018 10.00 Hrs
	Date of sample received:	03/12/2018
	Date of analysis Started	03/12/2018
	Monitoring Location	Quarry Owned By Mr. Musthafa M.K Survey No.154,155/1 Village – Karakkunnu Taluk – Ernad Panchayat – Thrikkalangode District- Malappuram, Kerala.
	Sample description	Ambient air – Near East Side Boundary
	Sample code given by client	Nil

SL NO	PARAMETERS	TEST METHOD	RESULTS	Limits as per NAAQS
01	Particulate Matter (PM <sub>10</sub> )	I S 5182 Part 23 2006RA2012	48.2 µg/m <sup>3</sup>	100 µg/m <sup>3</sup>
02	Particulate Matter (PM <sub>2.5</sub> )	CPCB	20.2 µg/m <sup>3</sup>	60 µg/m <sup>3</sup>
03	Sulphur dioxide	I S 5182 Part 2 2001 RA 2017	5.1 µg/m <sup>3</sup>	80 µg/m <sup>3</sup>
04	Nitrogen dioxide	IS 5182 Part 06 2006 RA2017	4.7 µg/m <sup>3</sup>	80 µg/m <sup>3</sup>

Note: NAAQS-National Ambient Air Quality Standards

\* End of the Report\*

The results are related only to the sample collected for analysis. This certificate shall not be reproduced except in full and without the written permission with authorized signatory

For and on behalf of  
POLUCHEM LABORATORIES (P) LTD.

  
AUTHORIZED SIGNATORY

SRESIA RAMESH  
QUALITY MANAGER  
POLUCHEM LABORATORIES (P) LTD.



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Client Name & Address	Certificate No:	PL/RT/SD/10501/2018
Mr Musthafa M.K Murikkum Kadan Koottilangady Malappuram	Date of issue:	06/12/2018
	Date of monitoring	01/12/2018 10.00 Hrs to 02/12/2018 10.00 Hrs
	Monitoring Location	Quarry Owned By Mr. Musthafa M.K Survey No.154,155/1 Village – Karakkunnu Taluk – Ernad Panchayat – Thrikkalangode District- Malappuram, Kerala...
	Sample Description	Ambient Sound Level (Leq)

Monitoring Location	Time	Results
Near East Side Boundary	10.00 Hrs	52.2 dB (A)
	11.00Hrs	47.6 dB (A)
	12.00Hrs	44.3 dB (A)
	13.00Hrs	47.4 dB (A)
	14.00Hrs	43.4 dB (A)
	15.00Hrs	45.7 dB (A)
	16.00Hrs	48.2 dB (A)
	17.00Hrs	41.4 dB (A)
	18.00Hrs	39.1 dB (A)
	19.00Hrs	37.5 dB (A)
	20.00Hrs	33.3 dB (A)
	21.00Hrs	34.1 dB (A)
	22.00Hrs	34.2 dB (A)
	23.00Hrs	35.3 dB (A)
	00.00 Hrs	38.2 dB (A)
	01.00 Hrs	39.2 dB (A)
	02.00 Hrs	37.4 dB (A)
	03.00 Hrs	42.2 dB (A)
	04.00 Hrs	44.6 dB (A)
	05.00 Hrs	45.3 dB (A)
06.00 Hrs	49.6 dB (A)	
07.00 Hrs	47.2 dB (A)	
08.00 Hrs	46.4 dB (A)	
09.00 Hrs	51.3 dB (A)	
Leq (Day time)		49.4 dB (A)
Leq (Night time)		34.5 dB (A)

For PoluChem Laboratories (P) Ltd.

Authorized Signatory

GREEN BANK  
QUALITY MINDSET  
POLUCHEM LABORATORIES (P) LTD.





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## TEST REPORT

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Ref.No. PL/RT/OW/10502/2018

Date of Issue: 06/12/2018

Name & address of customer

: Mr. Musthafa M.K

Murikkum Kadan

Koottilangady, Malappuram

Project Site

: Quarry Owned By Mr. Musthafa M.K

Survey No.154,155/1

Village – Karakkunnu

Taluk – Ernad

Panchayat - Thrikkalangude

District- Malappuram, Kerala.

Sample description

: Drinking Water

Location of sampling

: Open well Water-South Side

Date of sample collected

: 02/12/2018

Date of analysis started

: 03/12/2018

Date of completion of analysis

: 06/12/2018

Parameters tested	Test method	Result	Acceptable Limit as per IS 10500 - 2012
Color	IS 3025 (P) 04 – 1983 RA2017	4 Hazen Unit	5 Hazen Unit
Odour	IS 3025 (P) 05 – 1983 RA2017	Agreeable	Agreeable
Turbidity	IS 3025 (P) 10 – 1984 RA2017	BDL	1 NTU
pH	IS 3025 (P) 11 – 1983 RA 2017	7.53	6.5 – 8.5
Total Dissolved Solids	IS 3025 (P) 16 – 1984 RA2017	62 mg/l	500 mg/l
Total Hardness as CaCO <sub>3</sub>	IS 3025 (P) 21 – 1983 RA2014	20.2 mg/l	200 mg/l
Total Alkalinity as CaCO <sub>3</sub>	IS 3025 (P) 23 – 1986 RA2014	15.4 mg/l	200 mg/l
Residual Chlorine	IS 3025 (P) 26 – 1986 RA2014	BDL	Min 0.2 mg/l
Chloride as Cl <sup>-</sup>	IS 3025 (P) 26 – 1986 RA2014	11.4 mg/l	250 mg/l
Calcium as Ca	IS 3025 (P) 40 – 1991 RA2014	4.4 mg/l	75 mg/l
Magnesium as Mg	IS 3025 (P) 46 – 1994 RA2014	1.2 mg/l	30 mg/l
Iron as Fe	IS 3025 (P) 53 – 2003 RA2014	0.28 mg/l	0.3 mg/l
Sulphate as SO <sub>4</sub>	IS 3025 (P) 24 – 1986 RA2009	1.27 mg/l	200 mg/l
Fluoride as F	IS 3025 (P) 60 -2008 RA2013	BDL	1.0 mg/l

Note : BDL – Below Detection Level

For PoluChem Laboratories (P) Ltd.

Authorized signatory

SREEJA RAMKUN  
QUALITY MANAGER  
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Continuation of Test Certificate No: 10502/2018

Parameters tested	Test method	Results	Acceptable Limit as per IS 10500 - 2012
Selenium as Se	IS 3025 (P)56 -2003 RA2014	BDL	0.01 mg/l
Arsenic as As	IS 3025(P) 37- 1988 RA2014	BDL	0.05 mg/l
Copper as Cu	IS 3025(P) 42- 1992 RA2014	BDL	0.05 mg/l
Manganese as Mn	IS 3025(P) 59- 2006 RA2017	BDL	0.1 mg/l
Cadmium as Cd	IS 3025(P) 41- 1992 RA2014	BDL	0.01 mg/l
Chromium as Cr	IS 3025 (P)52 - 2003 RA2014	BDL	0.05 mg/l
Zinc as Zn	IS 3025 (P)49 - 1994 RA2014	BDL	5 mg/l
Mercury as Hg	IS 3025(P) 48 - 1994 RA2014	BDL	0.001 mg/l
Cyanide as CN	IS 3025(P)27-1986 RA2014	BDL	0.05 mg/l
Lead as Pb	IS 3025(P) 47- 1994 RA2014	BDL	0.05 mg/l
Aluminum as Al	IS 3025(P) 55- 2003 RA2014	BDL	0.03 mg/l
Boron as B	IS 3025(P) 57- 2005 RA2017	BDL	1 mg/l

Note: BDL- Below Detection Level

## MICROBIOLOGY ANALYSIS

Parameters Tested	Unit	Test method	Results	Acceptable Limit as per IS 10500 - 2012
Coliforms	MPN/100ml	IS 1622: 1981 RA 2009	23	Shall not be detectable in any 100 ml sample
E coli	Present or Absent/100ml	IS 1622: 1981 RA 2009	Absent	Shall not be detectable in any 100 ml sample

For PoluChem Laboratories (P) Ltd.

SREEJA RAMESH

QUALITY MANAGER

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\*End of the report\*

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## TEST REPORT

Page 01 of 02

Ref.No. PL/RT/OW/10503/2018

Date of Issue: 06/12/2018

Name & address of customer

: Mr. Musthafa M.K

Murikkum Kadan

Koottilangady, Malappuram

Project Site

: Quarry Owned By Mr. Musthafa M.K

Survey No.154,155/1

Village – Karakkunnu

Taluk – Ernad

Panchayat - Thrikkalangode

District- Malappuram, Kerala.

Sample description

: Water Sample

Location of sampling

: Surface water - East Side

Date of sample collected

: 02/12/2018

Date of analysis started

: 03/12/2018

Date of completion of analysis

: 06/12/2018

Parameters tested	Test method	Result	Acceptable Limit as per IS 10500 - 2012
Color	IS 3025 (P) 04 – 1983 RA2017	5 Hazen Unit	5 Hazen Unit
Odour	IS 3025 (P) 05 – 1983 RA2017	Agreeable	Agreeable
Turbidity	IS 3025 (P) 10 – 1984 RA2017	1 NTU	1 NTU
pH	IS 3025 (P) 11 – 1983 RA 2017	6.73	6.5 – 8.5
Total Dissolved Solids	IS 3025 (P) 16 – 1984 RA2017	79 mg/l	500 mg/l
Total Hardness as CaCO <sub>3</sub>	IS 3025 (P) 21 – 1983 RA2014	28.2 mg/l	200 mg/l
Total Alkalinity as CaCO <sub>3</sub>	IS 3025 (P) 23 – 1986 RA2014	20.4 mg/l	200 mg/l
Residual Chlorine	IS 3025 (P) 26 – 1986 RA2014	BDL	Min 0.2 mg/l
Chloride as Cl <sup>-</sup>	IS 3025 (P) 26 – 1986 RA2014	11.2 mg/l	250 mg/l
Calcium as Ca	IS 3025 (P) 40 – 1991 RA2014	7.6 mg/l	75 mg/l
Magnesium as Mg	IS 3025 (P) 46 – 1994 RA2014	3.4 mg/l	30 mg/l
Iron as Fe	IS 3025 (P) 53 – 2003 RA2014	0.18 mg/l	0.3 mg/l
Sulphate as SO <sub>4</sub>	IS 3025 (P) 24 – 1986 RA2009	4.5 mg/l	200 mg/l
Fluoride as F	IS 3025 (P) 60 -2008 RA2013	BDL	1.0 mg/l

Note : BDL – Below Detection Level

For PoluChem Laboratories (P) Ltd.

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Continuation of Test Certificate No: 10503/2018

Parameters tested	Test method	Results	Acceptable Limit as per IS 10500 - 2012
Selenium as Se	IS 3025 (P)56 -2003 RA2014	BDL	0.01 mg/l
Arsenic as As	IS 3025(P) 37- 1988 RA2014	BDL	0.05 mg/l
Copper as Cu	IS 3025(P) 42- 1992 RA2014	BDL	0.05 mg/l
Manganese as Mn	IS 3025(P) 59- 2006 RA2017	BDL	0.1 mg/l
Cadmium as Cd	IS 3025(P) 41- 1992 RA2014	BDL	0.01 mg/l
Chromium as Cr	IS 3025 (P)52 - 2003 RA2014	BDL	0.05 mg/l
Zinc as Zn	IS 3025 (P)49 - 1994 RA2014	BDL	5 mg/l
Mercury as Hg	IS 3025(P) 48 - 1994 RA2014	BDL	0.001 mg/l
Cyanide as CN	IS 3025(P)27-1986 RA2014	BDL	0.05 mg/l
Lead as Pb	IS 3025(P) 47- 1994 RA2014	BDL	0.05 mg/l
Aluminum as Al	IS 3025(P) 55- 2003 RA2014	BDL	0.03 mg/l
Boron as B	IS 3025(P) 57- 2005 RA2017	BDL	1 mg/l

Note: BDL- Below Detection Level

## MICROBIOLOGY ANALYSIS

Parameters Tested	Unit	Test method	Results	Acceptable Limit as per IS 10500 - 2012
Coliforms	MPN/100ml	IS 1622: 1981 RA 2009	90	Shall not be detectable in any 100 ml sample
E coli	Present or Absent/100ml	IS 1622: 1981 RA 2009	Absent	Shall not be detectable in any 100 ml sample

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