

TEST REPORT



NABL ULR NO : TC704323000015404P

Test Report No : KLPL/12/22/ENVN/02033D **Issue Date** : 02-Jan-2022

Amendment No : - **Amendment Date** : -

Reference : PO NUMBER :4920054932,PO DATE :24.05.2022

Customer Name : FERRO ALLOYS CORPORATION LTD.

Address : CHARGE CHROME PLANT ,D.P. NAGAR, RANDIA-756135,BHADRAK,ODISHA.

Date of receipt : 23-Dec-2022 **Commenced On** : 23-Dec-2022 **Completion** : 02-Jan-2022

Sample Name : AMBIENT AIR QUALITY MONITORING

Sample Condition : GASEOUS SAMPLE ABSORBING SOLUTIONS REFRIGERATED

Quantity : 4 NOS

Ref.To Sampling Procedure: QSP 07

Parameters	Unit	Standard Value	Results	Test Method
Location & Date : AUTO GARAGE DT-29-30.12.2022				
Sulphur Dioxide	µg/m ³	80	7.17	IS 5182(PART-2) : 2001
Nitrogen Dioxide	µg/m ³	80	13.69	IS 5182 (PART 6) :2006
Particulate Matter (PM10)	µg/m ³	100	50.21	IS 5182(PART-23) :2006
Particulate Matter (PM2.5)	µg/m ³	60	27.62	KLPL/SOP/AIR-02
Carbon Monoxide (CO) (01 Hrs.)	mg/m ³	04	0.350	KLPL/SOP/AIR-19
Ozone (O3) (01 Hrs.)	µg/m ³	180	5.1	KLPL/SOP/AIR-19
Lead (Pb)	µg/m ³	1.0	<0.02	KLPL/SOP/AIR-10
Ammonia (NH3)	µg/m ³	400	<10	KLPL/SOP/AIR-05
Benzene (C6 H6)	µg/m ³	05	<1	KLPL/SOP/AIR-07
Benza (a) Pyrene (BaP)	ng/m ³	01	<1	KLPL/SOP/AIR-07
Arsenic (As)	ng/m ³	06	<1	KLPL/SOP/AIR-10
Nickel (Ni)	ng/m ³	20	<4	KLPL/SOP/AIR-10
Location & Date : FPHS & MRP PLANT DT-27-28.12.2022				
Sulphur Dioxide	µg/m ³	80	8.95	IS 5182(PART-2) : 2001
Nitrogen Dioxide	µg/m ³	80	17.98	IS 5182 (PART 6) :2006
Particulate Matter (PM10)	µg/m ³	100	59.84	IS 5182(PART-23) :2006
Particulate Matter (PM2.5)	µg/m ³	60	32.91	KLPL/SOP/AIR-02
Carbon Monoxide (CO) (01 Hrs.)	mg/m ³	04	0.359	KLPL/SOP/AIR-19
Ozone (O3) (01 Hrs.)	µg/m ³	180	5.8	KLPL/SOP/AIR-19
Lead (Pb)	µg/m ³	1.0	<0.02	KLPL/SOP/AIR-10
Ammonia (NH3)	µg/m ³	400	<10	KLPL/SOP/AIR-05
Benzene (C6 H6)	µg/m ³	05	<1	KLPL/SOP/AIR-07
Benza (a) Pyrene (BaP)	ng/m ³	01	<1	KLPL/SOP/AIR-07
Arsenic (As)	ng/m ³	06	<1	KLPL/SOP/AIR-10
Nickel (Ni)	ng/m ³	20	<4	KLPL/SOP/AIR-10

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Address : CHARGE CHROME PLANT ,D.P. NAGAR, RANDIA-756135,BHADRAK,ODISHA.
Date of receipt : 23-Dec-2022 **Commenced On** : 23-Dec-2022 **Completion** : 02-Jan-2023
Sample Name : AMBIENT AIR QUALITY MONITORING
Sample Condition : GASEOUS SAMPLE ABSORBING SOLUTIONS REFRIGERATED
Quantity : 4 NOS
Ref.To Sampling Procedure: QSP-07

Parameters	Unit	Standard Value	Results	Test Method
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Location & Date : MRSS & CPP DT-28-29.12.2022

Sulphur Dioxide	µg/m ³	80	9.85	IS 5182(PART-2) : 2001
Nitrogen Dioxide	µg/m ³	80	16.12	IS 5182 (PART 6) : 2006
Particulate Matter (PM10)	µg/m ³	100	64.67	IS 5182(PART-23) : 2006
Particulate Matter (PM2.5)	µg/m ³	60	35.57	KLPL/SOP/AIR-02
Carbon Monoxide (CO) (01 Hrs.)	mg/m ³	04	0.364	KLPL/SOP/AIR-19
Ozone (O3) (01 Hrs.)	µg/m ³	180	6.6	KLPL/SOP/AIR-19
Lead (Pb)	µg/m ³	1.0	<0.02	KLPL/SOP/AIR-10
Ammonia (NH3)	µg/m ³	400	<10	KLPL/SOP/AIR-05
Benzene (C6 H6)	µg/m ³	05	<1	KLPL/SOP/AIR-07
Benza (a) Pyrene (BaP)	ng/m ³	01	<1	KLPL/SOP/AIR-07
Arsenic (As)	ng/m ³	06	<1	KLPL/SOP/AIR-10
Nickel (Ni)	ng/m ³	20	<4	KLPL/SOP/AIR-10

Location & Date : R & C LAB DT-26-27.12.2022

Sulphur Dioxide	µg/m ³	80	7.26	IS 5182(PART-2) : 2001
Nitrogen Dioxide	µg/m ³	80	15.85	IS 5182 (PART 6) : 2006
Particulate Matter (PM10)	µg/m ³	100	42.38	IS 5182(PART-23) : 2006
Particulate Matter (PM2.5)	µg/m ³	60	23.31	KLPL/SOP/AIR-02
Carbon Monoxide (CO) (01 Hrs.)	mg/m ³	04	0.342	KLPL/SOP/AIR-19
Ozone (O3) (01 Hrs.)	µg/m ³	180	2.9	KLPL/SOP/AIR-19
Lead (Pb)	µg/m ³	1.0	<0.02	KLPL/SOP/AIR-10
Ammonia (NH3)	µg/m ³	400	<10	KLPL/SOP/AIR-05
Benzene (C6 H6)	µg/m ³	05	<1	KLPL/SOP/AIR-07
Benza (a) Pyrene (BaP)	ng/m ³	01	<1	KLPL/SOP/AIR-07
Arsenic (As)	ng/m ³	06	<1	KLPL/SOP/AIR-10
Nickel (Ni)	ng/m ³	20	<4	KLPL/SOP/AIR-10



KALYANI LABORATORIES PVT. LTD.

PLOT NO-78/944, MILLENIUM CITY PAHAL, BHUBANESWAR-751032, ODISHA

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Test Report No

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Issue Date : 02-Jan-2023

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Reference

PO NUMBER :4920054932,PO DATE :24.05.2022

Customer Name

FERRO ALLOYS CORPORATION LTD.

Address

CHARGE CHROME PLANT ,D.P. NAGAR, RANDIA-756135,BHADRAK,ODISHA.

Date of receipt

23-Dec-2022

Commenced On : 23-Dec-2022

Completion

02-Jan-2023

Sample Name

: AMBIENT AIR QUALITY MONITORING

Sample Condition

GASEOUS SAMPLE ABSORBING SOLUTIONS REFRIGERATED

Quantity

4 NOS

Ref.To Sampling Procedure:

QSP-07

Parameters

Unit

Standard Value

Results

Test Method

Remarks

Any unusual feature observed during determination

***** End of Test Report *****

D. Anurag

Analysed By

For Kalyani Laboratories Pvt. Ltd.

m. Jyoti

Authorised Signatory

For Kalyani Laboratories Pvt. Ltd.



KLPL- 358430A

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KALYANI LABORATORIES PVT. LTD.

PLOT NO-78/944, MILLENIUM CITY PAHAL, BHUBANESWAR-751032, ODISHA

TEST REPORT

NABL ULR NO : TC704323000015404P



Test Report No : KLPL/12/22/ENVN/02033A
Amendment No : -
Reference : PO NUMBER : 4920054932, PO DATE : 24.05.2022
Customer Name : FERRO ALLOYS CORPORATION LTD.
Address : CHARGE CHROME PLANT, D.P. NAGAR, RANDIA-756135, BHADRAK, ODISHA.
Date of receipt : 23-Dec-2022 **Commenced On** : 23-Dec-2022 **Completion** : 02-Jan-2023
Sample Name : FLUE GAS | STACK MONITORING
Sample Condition : ASEOUS SAMPLE ABSORBING SOLUTIONS REFRIGERATED
Quantity : 2 NOS
Ref.To Sampling Procedure : QSP-07

Parameters	Unit	Standard Value	Results	Test Method
Location & Date : DEDUSTING SYSTEM - 26.12.2022				
Sulphur Dioxide	mg/Nm ³	--	17.1	IS 11255(part-2):1985(RA 2014)
Oxide of Nitrogen as NOx	mg/Nm ³	--	22.2	KLPL/SOP/AIR-06
Particulate Matter	mg/Nm ³	--	49.15	KLPL/SOP/AIR-06
Carbon Monoxide	%	--	0.062	KLPL/SOP/AIR-06
Velocity	m/sec	--	7.3	KLPL/SOP/AIR-06
Stack Temperature in Deg kelvin	--	--	336	KLPL/SOP/AIR-06
carbon Dioxide	%	--	7.9	KLPL/SOP/AIR-06
Quantity of Gas Flow	Nm ³ / hr	--	1556.0	KLPL/SOP/AIR-06
Mercury	mg/Nm ³	--	0.015	KLPL/SOP/AIR-06
Location & Date : DRYER STACK-4 DT-27.12.2022				
Sulphur Dioxide	mg/Nm ³	--	18.9	IS 11255(part-2):1985(RA 2014)
Oxide of Nitrogen as NOx	mg/Nm ³	--	27.5	KLPL/SOP/AIR-06
Particulate Matter	mg/Nm ³	--	54.21	KLPL/SOP/AIR-06
Carbon Monoxide	%	--	0.058	KLPL/SOP/AIR-06
Velocity	m/sec	--	6.50	KLPL/SOP/AIR-06
Stack Temperature in Deg kelvin	--	--	328	KLPL/SOP/AIR-06
carbon Dioxide	%	--	8.8	KLPL/SOP/AIR-06
Quantity of Gas Flow	Nm ³ / hr	--	3436.0	KLPL/SOP/AIR-06
Mercury	mg/Nm ³	--	0.016	KLPL/SOP/AIR-06

Remarks

Any unusual feature observed during determination

***** End of Test Report *****

Analysed By
For Kalyani Laboratories Pvt. Ltd.

Authorised Signatory
For Kalyani Laboratories Pvt. Ltd.



KLPL-358437A



KALYANI LABORATORIES PVT. LTD.

PLOT NO-78/944, MILLENIUM CITY PAHAL, BHUBANESWAR-751032, ODISHA

TEST REPORT



NABL ULR NO : TC704323000015404P

Test Report No : KLPL/12/22/ENVN/02033B

Issue Date : 02-Jan-2022

Amendment No : -

Amendment Date : -

Reference : PO NUMBER :4920054932,PO DATE :24.05.2022

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Address : CHARGE CHROME PLANT ,D.P. NAGAR, RANDIA-756135,BHADRAK,ODISHA.

Date of receipt : 23-Dec-2022 Commenced On : 23-Dec-2022 Completion On: 02-Jan-2022

Sample Name : FLUE GAS | STACK MONITORING

Sample Condition : GASEOUS SAMPLE ABSORBING SOLUTIONS REFRIGERATED

Quantity : 1 NO

Ref.To Sampling Procedure: QSP-07

Parameters	Unit	Standard Value	Results	Test Method
Location & Date : GCP STACK DT-28.12.2022				
Sulphur Dioxide	mg/Nm ³	--	20.2	IS 11255(part-2):1985(RA 2014)
Oxide of Nitrogen as NOx	mg/Nm ³	--	25.5	KLPL/SOP/AIR-06
Particulate Matter	mg/Nm ³	--	46.3	KLPL/SOP/AIR-06
Carbon Monoxide (CO)	%	--	0.065	KLPL/SOP/AIR-06
Velocity	m/sec	--	5.8	KLPL/SOP/AIR-06
Stack Temperature in Deg kelvin	--	--	317	KLPL/SOP/AIR-06
carbon Dioxide	%	--	7.8	KLPL/SOP/AIR-06
Quantity of Gas Flow	Nm ³ / hr	--	1044.0	KLPL/SOP/AIR-06
Mercury	mg/Nm ³	--	0.014	KLPL/SOP/AIR-06

Remarks :

Any unusual feature observed during determination :

***** End of Test Report *****

Analysed By
For Kalyani Laboratories Pvt. Ltd.

Authorised Signatory
For Kalyani Laboratories Pvt. Ltd.

