



KLEAN LABORATORIES AND RESEARCH (P) LTD.

CIN : U73100MH2009PTC195098

An Environmental Laboratory approved by MoEFCC.

vide Gazette Notification of India Sr. No. 857 (E) Dated February 26, 2018 valid up to 2023.

402 Purushottam Plaza, Baner Road, Pune- 411 045.

Tel. 020-46781028 E-mail : kleanlab@klean.org Website: www.klean.org

TEST REPORT

Test Report No	1903/S/0311	Date	14.03.2019
Name & Address of the Client	M/S. GALAXY SURFACTANTS LTD., PLOT NO.V-23, MIDC, TALOJA		
PO Details	-		

STACK DETAILS

Stack No	Stack Attached to		Sampling done by
--	BOILER -I OIL FIRE BOILER No.1-2.5 TPH (S-1)		Lab
Shape	Round	Fuel Used	FO/LDO
Diameter (Mtr)	0.8	Dimensions (Mtr)	L= -- B= --
Height (Mtr)	33.3	C S Area (M2)	0.5024
Sample collection Date	Sample receipt Date	Analysis start Date	Analysis complete Date
06.03.2019	08.03.2019	08.03.2019	14.03.2019
Sampling Procedure	As per KLRPL/QSP/22		

Stack Gas Details

Temperature (°C)	198	Velocity (M/S)	10.21
Flow Rate (Nm3/Hr)	11683.50		

S.No.	Parameters	Method	Unit	Limit	Result
1	Total Particulate Matter	IS 11255 (part 1) 1985 (RA 2014)	mg/Nm ³	150	117.52
2	Sulphur-Di-Oxide	IS 11255 (part 2) 1985 (RA 2014)	Kg/day	86.4	6.89
3	Oxide of Nitrogen	IS 11255 (part 7) 2005 (RA 2017)	ppm	--	7.45
4	Carbon Dioxide	IS 307 : 1966	mg/m ³	--	0.24

End of Test report

BDL: -Below Detectable level & MDL: -Method detection limit.

Limit as per SPCB Consent

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Sanjay



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TEST REPORT

Test Report No	1903/S/0310	Date	15.03.2019
Name & Address of the Client	M/S. GALAXY SURFACTANTS LTD., PLOT NO.V-23, MIDC, TALOJA		
PO Details	-		

STACK DETAILS

Stack No	Stack Attached to		Sampling done by
--	BOILRT -II COAL BOILER 5 TPH (S-2) CYCLON SEPERATOR + BAG FILTER		Lab
Shape	Round	Fuel Used	Coal
Diameter (Mtr)	0.4	Dimensions (Mtr)	L= -- B= --
Height (Mtr)	35	C S Area (M2)	0.1256
Sample collection Date	Sample receipt Date	Analysis start Date	Analysis complete Date
07.03.2019	09.03.2019	09.03.2019	15.03.2019
Sampling Procedure	As per KLRPL/QSP/22		

Stack Gas Details

Temperature (°C)	189	Velocity (M/S)	9.76
Flow Rate (Nm3/Hr)	2846.53		

S.No.	Parameters	Method	Unit	Limit	Result
1	Total Particulate Matter	IS 11255 (part 1) 1985 (RA 2014)	mg/Nm ³	150	125.18
2	Sulphur-Di-Oxide	IS 11255 (part 2) 1985 (RA 2014)	Kg/day	12	7.64
3	Oxide of Nitrogen	IS 11255 (part 7) 2005 (RA 2017)	ppm	--	6.71
4	Carbon Dioxide	IS 307 : 1966	mg/m ³	--	0.23
5	Sulphates (Mg/L)	EPA Method	ppm	--	1.12
6	Chloride (Mg/L)	EPA-26 A Method	mg/Nm ³	--	0.023

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TEST REPORT

Test Report No	1903/S/0346	Date	18.03.2019
Name & Address of the Client	M/S. GALAXY SURFACTANTS LTD., PLOT NO.EOU, MIDC, TALOJA		
PO Details	-		

STACK DETAILS

Stack No	Stack Attached to		Sampling done by
--	THERMOPAC BOILER (S-3)		Lab
Shape	Round	Fuel Used	FO
Diameter (Mtr)	0.4	Dimensions (Mtr)	L= -- B= --
Height (Mtr)	30.25	C S Area (M2)	0.1256
Sample collection Date	Sample receipt Date	Analysis start Date	Analysis complete Date
08.03.2019	11.03.2019	11.03.2019	18.03.2019
Sampling Procedure	As per KLRPL/QSP/22		

Stack Gas Details

Temperature (°C)	180	Velocity (M/S)	10.54
Flow Rate (Nm3/Hr)	3135.09		

S.No.	Parameters	Method	Unit	Limit	Result
1	Total Particulate Matter	IS 11255 (part 1)1985 (RA 2014)	mg/Nm ³	150	113.56
2	Sulphur-Di-Oxide	IS 11255 (part 2) 1985 (RA 2014)	Kg/Day	155.52	4.27
3	Oxide of Nitrogen	IS 11255 (part 7) 2005 (RA 2017)	ppm	--	BDL(MDL<2)
4	Carbon Dioxide	IS 307 : 1966	mg/m ³	--	0.26

End of Test report

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TEST REPORT

Test Report No	1903/S/0313	Date	18.03.2019		
Name & Address of the Client	M/S. GALAXY SURFACTANTS LTD.,				
	PLOT NO.V-23, MIDC, TALOJA				
PO Details	-				
STACK DETAILS					
Stack No	Stack Attached to			Sampling done by	
--	SCRUBBER No.1 (S-4)			Lab	
Shape	Round		Fuel Used		-
Diameter (Mtr)	0.6	Dimensions (Mtr)		L= --	B= --
Height (Mtr)	30	C S Area (M2)		0.2826	
Sample collection Date	Sample receipt Date	Analysis start Date		Analysis complete Date	
08.03.2019	11.03.2019	11.03.2019		18.03.2019	
Sampling Procedure			As per KLRPL/QSP/22		
Stack Gas Details					
Temperature (°C)	44	Velocity (M/S)		7.55	
Flow Rate (Nm3/Hr)	7220.68				
S.No.	Parameters	Method	Unit	Limit	Result
1	Total Particulate Matter	IS 11255 (part 1) 1985 (RA 2014)	mg/Nm ³	150	22.12
2	Sulphur-Di-Oxide	IS 11255 (part 2) 1985 (RA 2014)	ppm	50	BDL(MDL<1)
3	Oxide of Nitrogen	IS 11255 (part 7) 2005 (RA 2017)	ppm	--	2.24
4	Carbon Dioxide	IS 307 : 1966	mg/m ³	--	0.16
5	Acid Mist	EPA Method	ppm	--	10.52
End of Test report					
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TEST REPORT

Test Report No	1903/S/0347	Date	18.03.2019
Name & Address of the Client	M/S. GALAXY SURFACTANTS LTD., PLOT No.EOU, MIDC, TALOJA		
PO Details	-		

STACK DETAILS

Stack No	Stack Attached to		Sampling done by
--	SCRUBBER NO.2 (S-5)		Lab
Shape	Round	Fuel Used	-
Diameter (Mtr)	0.6	Dimensions (Mtr)	L= -- B= --
Height (Mtr)	30	C S Area (M2)	0.2826
Sample collection Date	Sample receipt Date	Analysis start Date	Analysis complete Date
09.03.2019	11.03.2019	11.03.2019	18.03.2019
Sampling Procedure	As per KLRPL/QSP/22		

Stack Gas Details

Temperature (°C)	41	Velocity (M/S)	7.36
Flow Rate (Nm3/Hr)	7106.22		

S.No.	Parameters	Method	Unit	Limit	Result
1	Total Particulate Matter	IS 11255 (part 1) 1985 (RA 2014)	mg/Nm ³	150	29.25
2	Sulphur-Di-Oxide	IS 11255 (part 2) 1985 (RA 2014)	ppm	50	BDL(MDL<1)
3	Oxide of Nitrogen	IS 11255 (part 7) 2005 (RA 2017)	ppm	--	BDL(MDL<2)
4	Carbon Dioxide	IS 307 : 1966	mg/m ³	--	0.15
5	Acid Mist	EPA Method	mg/Nm ³	--	13.54

End of Test report

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TEST REPORT

Test Report No	1903/S/0379	Date	18.03.2019
Name & Address of the Client	M/S. GALAXY SURFACTANTS LTD., PLOT NO.MED, MIDC, TALOJA		
PO Details	-		

STACK DETAILS

Stack No	Stack Attached to		Sampling done by
--	SCRUBBER NO.3 (S-6)		Lab
Shape	Round	Fuel Used	-
Diameter (Mtr)	0.6	Dimensions (Mtr)	L= -- B= --
Height (Mtr)	30	C S Area (M2)	0.2826
Sample collection Date	Sample receipt Date	Analysis start Date	Analysis complete Date
09.03.2019	11.03.2019	11.03.2019	18.03.2019
Sampling Procedure	As per KLRPL/QSP/22		

Stack Gas Details

Temperature (°C)	45	Velocity (M/S)	7.0
Flow Rate (Nm3/Hr)	6673.62		

S.No.	Parameters	Method	Unit	Limit	Result
1	Total Particulate Matter	IS 11255 (part 1) 1985 (RA 2014)	mg/Nm ³	150	26.34
2	Sulphur-Di-Oxide	IS 11255 (part 2) 1985 (RA 2014)	ppm	50	BDL(MDL<1)
3	Oxide of Nitrogen	IS 11255 (part 7) 2005 (RA 2017)	ppm	--	BDL(MDL<2)
4	Carbon Dioxide	IS 307 : 1966	mg/m ³	--	0.12
5	Acid Mist	EPA Method	mg/Nm ³	--	10.98

End of Test report

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TEST REPORT

Test Report No	1903/S/0345	Date	14.03.2019
Name & Address of the Client	M/S. GALAXY SURFACTANTS LTD.,		
	PLOT No.EOU, MIDC, TALOJA		
PO Details	-		

STACK DETAILS

Stack No	Stack Attached to		Sampling done by
--	D.G.SET 1.9 MW (S-7)		Lab
Shape	Round	Fuel Used	FO
Diameter (Mtr)	0.8	Dimensions (Mtr)	L= -- B= --
Height (Mtr)	45	C S Area (M2)	0.5024
Sample collection Date	Sample receipt Date	Analysis start Date	Analysis complete Date
06.03.2019	08.03.2019	08.03.2019	14.03.2019
Sampling Procedure		As per KLRPL/QSP/22	

Stack Gas Details

Temperature (°C)	215	Velocity (M/S)	10.80
Flow Rate (Nm3/Hr)	11928.12		

S.No.	Parameters	Method	Unit	Limit	Result
1	Total Particulate Matter	IS 11255 (part 1)1985 (RA 2014)	mg/Nm ³	150	43.91
2	Sulphur-Di-Oxide	IS 11255 (part 2) 1985 (RA 2014)	Kg/day	810	4.37
3	Oxide of Nitrogen	IS 11255 (part 7) 2005 (RA 2017)	ppm	--	BDL(MDL<2)
4	Carbon Dioxide	IS 307 : 1966	mg/m ³	--	0.25

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Sanjay



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TEST REPORT

Test Report No	1903/S/0312	Date	15.03.2019
Name & Address of the Client	M/S. GALAXY SURFACTANTS LTD., PLOT NO.V-23, MIDC, TALOJA		
PO Details	-		

STACK DETAILS

Stack No	Stack Attached to		Sampling done by
--	D.G.SET 1000 KVA (S-8)		Lab
Shape	Round	Fuel Used	HSD
Diameter (Mtr)	0.8	Dimensions (Mtr)	L= -- B= --
Height (Mtr)	33	C S Area (M2)	0.5024
Sample collection Date	Sample receipt Date	Analysis start Date	Analysis complete Date
07.03.2019	09.03.2019	09.03.2019	15.03.2019
Sampling Procedure	As per KLRPL/QSP/22		

Stack Gas Details

Temperature (°C)	210	Velocity (M/S)	10.89
Flow Rate (Nm3/Hr)	12152.03		

S.No.	Parameters	Method	Unit	Limit	Result
1	Total Particulate Matter	IS 11255 (part 1) 1985 (RA 2014)	mg/Nm ³	150	49.36
2	Sulphur-Di-Oxide	IS 11255 (part 2) 1985 (RA 2014)	Kg/day	81.6	3.80
3	Oxide of Nitrogen	IS 11255 (part 7) 2005 (RA 2017)	ppm	--	BDL(MDL<2)
4	Carbon Dioxide	IS 307 : 1966	mg/m ³	--	0.17

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