



Certificate No.: TC-7099

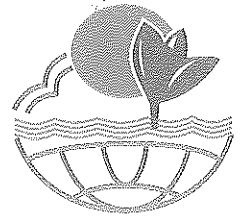
KADAM ENVIRONMENTAL CONSULTANTS

An ISO 9001-2015 Certified Company

(MoEF Approved)

871/B/3, Near Himalaya Machinery, GIDC Makarpura, Vadodara-10.

Phone : (O) 0265 - 6131000, 6131001



ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

DOC. NO.: LAB-FMT-052

Issue No.: 02

Revision No.: 00

Effective Date: 01-01-2015

Issue Date: 01-01-2015

Revision Date: 01-01-2015

REPORT NO.: SEP19/007/01 (ULR- TC709919000012710F)

SAMPLE DETAILS

1.	Name & Address of Client: M/s. INEOS Styrolution India Limited, Halol-Kalol Road, KATOL, Tal :. Kalol Dist. – Panchmahals -389 330		
2.	Sample ID: 1837838246-007SE19SE01	3.	Client Representative : Mr.Rajendra Chakraborty
4.	Sample Date: 03.09.2019	5.	Sampling Location: Boiler GT 5602
6.	Sampling Time: 13:00 hr	7.	Sampling Duration:10 Mins
8.	Analysis commenced on: 09.09.2019	9.	Analysis Completed on: 09.09.2019
10.	Reporting Date: 21.09.2019	11.	Sample Collected By : Mr.Javed Haveliwala
12.	Test Requirement: Stack Air Monitoring	13.	Sampling Procedure: IS Method
14.	Description of Sample:	Sampling Bottles: Sealed <input checked="" type="checkbox"/>	Thimble: Packed <input checked="" type="checkbox"/>
		Bladder: Clamped	

STACK DETAILS

S.No.	Parameters	Unit (SI)	Description
1.	Source		: Boiler GT-5602
2.	Height	m	: 30.5
3.	Diameter	mm	: 800
4.	Temperature	°c	: 120
5.	Velocity	m/s	: 6.85
6.	Type of fuel used		: Natural Gas
7.	Quantity of fuel used	-	: -

S.No.	Parameters	Unit	Results	Specification/SPCB Norms	Method Used
1.	Particulate Matter	mg/Nm ³	: 26	150	IS 11255 (Part 1) : 1985
2.	Sulphur Dioxide(SO ₂)	ppm	: N.D.	100	IS 11255 (Part 2) : 1985
3.	Oxides of Nitrogen (NOx)	ppm	: 4.96	50	IS 5182 (Part 6) : 2006

Remark: Gujarat Pollution Control Board Norms are referred as per consent./N.D. – Not DetectedAuthorized By - *ASP*

Name : Ashal Patel

Designation : Sr.Chemist

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3) The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----



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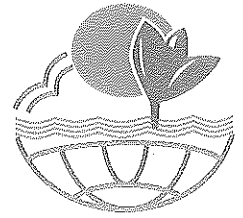
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ENVIRONMENTAL MONITORING REPORT



LABORATORY TEST REPORT - STACK

DOC. NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 00
Effective Date: 01-01-2015	Issue Date: 01-01-2015	Revision Date: 01-01-2015

REPORT NO.: SEP19/007/05 (ULR- TC709919000012714F)

SAMPLE DETAILS

1.	Name & Address of Client: M/s. INEOS Styrolution India Limited, Halol-Kalol Road, KATOL, Tal :. Kalol Dist. – Panchmahals -389 330			
2.	Sample ID: 1837838246-007SE19SE05	3.	Client Representative : Mr.Rajendra Chakraborty	
4.	Sample Date: 03.09.2019	5.	Sampling Location: Hot oil Unit – I	
6.	Sampling Time: 13:20 hr	7.	Sampling Duration:10 Mins	
8.	Analysis commenced on: 09.09.2019	9.	Analysis Completed on: 09.09.2019	
10.	Reporting Date: 21.09.2019	11.	Sample Collected By : Mr.Javed Haveliwala	
12.	Test Requirement: Stack Air Monitoring	13.	Sampling Procedure: IS Method	
14.	Description of Sample:	Sampling Bottles: Sealed <input checked="" type="checkbox"/>	Thimble: Packed <input checked="" type="checkbox"/>	Bladder: Clamped

STACK DETAILS

S.No.	Parameters	Unit (SI)	Description			
1.	Source		:	Hot oil Unit – I		
2.	Height	m	:	40.5		
3.	Diameter	mm	:	488		
4.	Temperature	°c	:	82		
5.	Velocity	m/s	:	6.51		
6.	Type of fuel used		:	Natural Gas		
7.	Quantity of fuel used	SCM/hr	:	266		
S.No.	Parameters	Unit	Results	Specification/ SPCB Norms	Method Used	
1.	Particulate Matter	mg/Nm ³	:	12	150	IS 11255 (Part 1) : 1985
2.	Sulphur Dioxide(SO ₂)	ppm	:	N.D.	100	IS 11255 (Part 2) : 1985
3.	Oxides of Nitrogen (NOx)	ppm	:	2.41	50	IS 5182 (Part 6) : 2006

Remark: Gujarat Pollution Control Board Norms are referred as per consent. N.D: Not detected

Authorized By -

Name : Ashal Patel

Designation : Sr.Chemist

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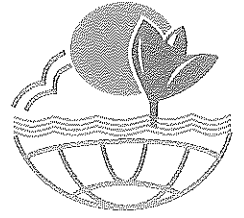
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ENVIRONMENTAL MONITORING REPORT



LABORATORY TEST REPORT - STACK

DOC. NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 00
Effective Date: 01-01-2015	Issue Date: 01-01-2015	Revision Date: 01-01-2015

REPORT NO.: SEP19/007/06 (ULR- TC709919000012715F)

SAMPLE DETAILS

1.	Name & Address of Client: M/s. INEOS Styrolution India Limited, Halol-Kalol Road, KATOL, Tal :. Kalol Dist. – Panchmahals -389 330			
2.	Sample ID: 1837838246-007SE19SE06	3.	Client Representative : Mr.Rajendra Chakraborty	
4.	Sample Date: 03.09.2019	5.	Sampling Location: Hot oil Unit – II	
6.	Sampling Time: 13:40 hr	7.	Sampling Duration:10 Mins	
8.	Analysis commenced on: 09.09.2019	9.	Analysis Completed on: 09.09.2019	
10.	Reporting Date: 21.09.2019	11.	Sample Collected By : Mr.Javed Haveliwala	
12.	Test Requirement: Stack Air Monitoring	13.	Sampling Procedure: IS Method	
14.	Description of Sample:	Sampling Bottles: Sealed <input checked="" type="checkbox"/>	Thimble: Packed <input checked="" type="checkbox"/>	Bladder: Clamped

STACK DETAILS

S.No.	Parameters	Unit (SI)	Description			
1.	Source		:	Hot oil Unit – II		
2.	Height	m	:	40.5		
3.	Diameter	mm	:	488		
4.	Temperature	°c	:	80		
5.	Velocity	m/s	:	6.49		
6.	Type of fuel used		:	Natural Gas		
7.	Quantity of fuel used	SCM/hr	:	266		
S.No.	Parameters	Unit	Results	Specification/ SPCB Norms	Method Used	
1.	Particulate Matter	mg/Nm ³	:	23	150	IS 11255 (Part 1) : 1985
2.	Sulphur Dioxide(SO ₂)	ppm	:	N.D	100	IS 11255 (Part 2) : 1985
3.	Oxides of Nitrogen (NOx)	ppm	:	1.09	50	IS 5182 (Part 6) : 2006

Remark: Gujarat Pollution Control Board Norms are referred as per consent. N.D: Not detectedAuthorized By - *ASD*

Name : Ashal Patel

Designation : Sr.Chemist

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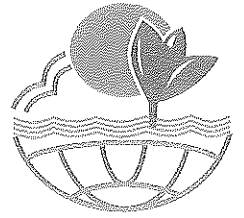
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ENVIRONMENTAL MONITORING REPORT



LABORATORY TEST REPORT - STACK

DOC. NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 00
Effective Date: 01-01-2015	Issue Date: 01-01-2015	Revision Date: 01-01-2015

REPORT NO.: SEP19/007/02 (ULR- TC709919000012711F)

SAMPLE DETAILS

1.	Name & Address of Client: M/s. INEOS Styrolution India Limited, Halol-Kalol Road, KATOL, Tal :. Kalol Dist. – Panchmahals -389 330.			
2.	Sample ID: 1837838246-007SE19SE02	3.	Client Representative : Mr.Rajendra Chakraborty	
4.	Sample Date: 03.09.2019	5.	Sampling Location: D.G. Set – 2 (1010 KVA)-A	
6.	Sampling Time: 14:00 hr	7.	Sampling Duration:10 Mins	
8.	Analysis commenced on: 09.09.2019	9.	Analysis Completed on: 09.09.2019	
10.	Reporting Date: 21.09.2019	11.	Sample Collected By : Mr.Javed Haveliwala	
12.	Test Requirement: Stack Air Monitoring	13.	Sampling Procedure: IS Method	
14.	Description of Sample:	Sampling Bottles: Sealed <input checked="" type="checkbox"/>	Thimble: Packed <input checked="" type="checkbox"/>	Bladder: Clamped

STACK DETAILS

S.No.	Parameters	Unit (SI)	Description
1.	Source		: D.G. Set – 2 (1010 KVA)-A
2.	Height	m	: 18
3.	Diameter	mm	: 200
4.	Temperature	°C	: 122
5.	Velocity	m/s	: 12.55
6.	Type of fuel used		: Diesel
7.	Quantity of fuel used	Lit/day	: 4608

S.No.	Parameters	Unit	Results	Specification/ SPCB Norms	Method Used
1.	Particulate Matter	mg/Nm ³	: 80	150	IS 11255 (Part 1) : 1985
2.	Sulphur Dioxide(SO ₂)	ppm	: 14.20	100	IS 11255 (Part 2) : 1985
3.	Oxides of Nitrogen (NOx)	ppm	: 4.35	50	IS 5182 (Part 6) : 2006

Remark: Gujarat Pollution Control Board Norms are referred as per consent.

Authorized By -

Name : Ashal Patel

Designation : Sr.Chemist

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-----END OF REPORT-----

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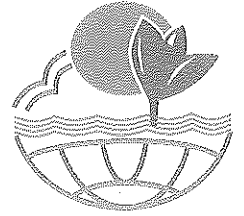
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DOC. NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 00
Effective Date: 01-01-2015	Issue Date: 01-01-2015	Revision Date: 01-01-2015

REPORT NO.: SEP19/007/03 (ULR- TC709919000012712F)

SAMPLE DETAILS

1.	Name & Address of Client: M/s. INEOS Styrolution India Limited, Halol-Kalol Road, KATOL, Tal : Kalol Dist. – Panchmahals -389 330.		
2.	Sample ID: 1837838246-007SE19SE03	3.	Client Representative : Mr.Rajendra Chakraborty
4.	Sample Date: 03.09.2019	5.	Sampling Location: D.G. Set – 2 (1010 KVA)-B
6.	Sampling Time: 14:15 hr	7.	Sampling Duration:10 Mins
8.	Analysis commenced on: 09.09.2019	9.	Analysis Completed on: 09.09.2019
10.	Reporting Date: 21.09.2019	11.	Sample Collected By : Mr.Javed Haveliwala
12.	Test Requirement: Stack Air Monitoring	13.	Sampling Procedure: IS Method
14.	Description of Sample:	Sampling Bottles: Sealed <input checked="" type="checkbox"/>	Thimble: Packed <input checked="" type="checkbox"/>
		Bladder: Clamped	

STACK DETAILS

S.No.	Parameters	Unit (SI)	Description			
1.	Source		:	D.G. Set – 2 (1010 KVA)-B		
2.	Height	m	:	18		
3.	Diameter	mm	:	200		
4.	Temperature	°c	:	126		
5.	Velocity	m/s	:	12.58		
6.	Type of fuel used		:	Diesel		
7.	Quantity of fuel used	-	:	4608		
S.No.	Parameters	Unit	Results	Specification/ SPCB Norms	Method Used	
1.	Particulate Matter	mg/Nm ³	:	50	150	IS 11255 (Part 1) : 1985
2.	Sulphur Dioxide(SO ₂)	ppm	:	20.08	100	IS 11255 (Part 2) : 1985
3.	Oxides of Nitrogen (NO _x)	ppm	:	6.40	50	IS 5182 (Part 6) : 2006

Remark: Gujarat Pollution Control Board Norms are referred as per consent.Authorized By - *ASB*

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Designation : Sr.Chemist

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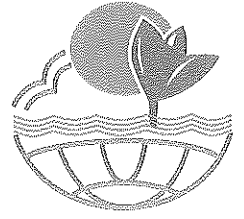
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ENVIRONMENTAL MONITORING REPORT



LABORATORY TEST REPORT - STACK

DOC. NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 00
Effective Date: 01-01-2015	Issue Date: 01-01-2015	Revision Date: 01-01-2015

REPORT NO.: SEP19/007/04 (ULR- TC709919000012713F)

SAMPLE DETAILS

1.	Name & Address of Client: M/s. INEOS Styrolution India Limited, Halol-Kalol Road, KATOL, Tal :. Kalol Dist. – Panchmahals -389 330			
2.	Sample ID: 1837838246-007SE19SE04	3.	Client Representative : Mr.Rajendra Chakraborty	
4.	Sample Date: 03.09.2019	5.	Sampling Location: D.G. Set – 3 (1250 KVA)	
6.	Sampling Time: 14:40 hr	7.	Sampling Duration:10 Mins	
8.	Analysis commenced on: 09.09.2019	9.	Analysis Completed on: 09.09.2019	
10.	Reporting Date: 21.09.2019	11.	Sample Collected By : Mr.Javed Haveliwala	
12.	Test Requirement: Stack Air Monitoring	13.	Sampling Procedure: IS Method	
14.	Description of Sample:	Sampling Bottles: Sealed <input checked="" type="checkbox"/>	Thimble: Packed <input checked="" type="checkbox"/>	Bladder: Clamped

STACK DETAILS

S.No.	Parameters	Unit (SI)	Description
1.	Source		: D.G. Set – 3 (1250 KVA)
2.	Height	m	: 30
3.	Diameter	mm	: 350
4.	Temperature	°c	: 136
5.	Velocity	m/s	: 13.08
6.	Type of fuel used		: Diesel
7.	Quantity of fuel used	scm/hrs	: 6043

S.No.	Parameters	Unit	Results	Specification/ SPCB Norms	Method Used
1.	Particulate Matter	mg/Nm ³	: 47	150	IS 11255 (Part 1) : 1985
2.	Sulphur Dioxide(SO ₂)	ppm	: 17.64	100	IS 11255 (Part 2) : 1985
3.	Oxides of Nitrogen (NOx)	ppm	: 7.17	50	IS 5182 (Part 6) : 2006

Remark: Gujarat Pollution Control Board Norms are referred as per consent.Authorized By - *ASh*

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Designation : Sr.Chemist

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