



# INDIA GLYCOLS LIMITED, LABORATORY

(NABL ACCREDITED LABORATORY)

(A unit of India Glycols Limited, an ISO: 9001, ISO: 14001, OHSAS: 18001, ISO: 22000, FSSC: 22000, SA: 8000, ISO: 50001 certified Company)

A-1, Industrial Area Bazpur Road, Kashipur  
District - Udham Singh Nagar - 244713 (Uttarakhand)  
Email: igllabksp@gmail.com

## TEST REPORT

<b>Test Report No. TR/AAQ/2018/09/25-001</b>		<b>Issue Date: 25.09.2018</b>
Issued to:	M/s India Glycols Limited, Herbal Extraction Unit Plot No. 2 - 5, Pharma City, Selaqui, Dehradun Uttarakhand	
Type of Sample:	Ambient Air	
Sampling Location:	Near Solvent Yard	
Date of Sampling:	18.09.2018 to 19.09.2018	
Mode of Collection of Sample:	Sampling by Laboratory	
Packing, Marking & Seal:	Envelop marked as "SY-1" Absorbing Solution in Reagent Bottle Marked "SY-1"	
Sampling Protocol:	IS: 5182 (P-14)	
Sample Drawn by:	Mr. Satveer Yadav & Team	
Date of Sample Receiving:	20.09.2018	
Time of Sampling:	24 Hrs (0830 Hrs. to 0830 Hrs.)	
Testing Protocol:	National Ambient Air Quality Standards (NAAQS), 2009	
Environmental Condition:	Sunny Day	
Analysis Duration:	20.09.2018 to 21.09.2018	

## RESULTS

S.No	Test Parameters	Units	Results	NAAQS		Test Method
				Annual*	24 Hours**	
1.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	40.35	Annual*	40	US EPA 40 CFR (P-50)
				24 Hours**	60	
2.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	82.59	Annual*	60	IS:5182 (23) 2006
				24 Hours**	100	
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	11.78	Annual*	50	IS :5182 (2) 2001
				24 Hours**	80	
4.	Nitrogen Oxides (as NO <sub>2</sub> )	µg/m <sup>3</sup>	21.29	Annual*	40	IS :5182 (6) 2006
				24 Hours**	80	
5.	Ammonia	µg/m <sup>3</sup>	ND	Annual*	100	APHA Ind Ed. 1977 Method- 801
				24 Hours**	400	
6.	Ozone (8 Hours)	µg/m <sup>3</sup>	ND	8 Hours*	100	IS :5182 (9)-1974 R 2003
				1 Hour**	180	
7.	Carbon Monoxide (as CO) (1Hour) <sup>#</sup>	mg/m <sup>3</sup>	ND	8 Hours*	02	Electrochemical Method
				1 Hour**	04	

\*Annual Arithmetic mean of minimum 104 measurements in a year at a particular site taken twice a week 24 hourly at uniform interval.

\*\*24 hourly 08 hourly or 1 hourly monitored values, as applicable shall be complied with 98% of the time in a year. 2% of the time, they may exceed the limits but not on two consecutive days of monitoring.

<sup>#</sup>Marked parameter is not in our scope. ND- Not Detected, Detection Limit = Ammonia - 10 µg/m<sup>3</sup>, Ozone - 10 µg/m<sup>3</sup>

**\*End of Report\***

*Phauhan*  
(Checked by)  
*Rahul Kumar*



### Note:

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District - Udham Singh Nagar - 244713 (Uttarakhand)  
Email: igllabksp@gmail.com

## TEST REPORT

<b>Test Report No. TR/AAQ/2018/09/25-002</b>		<b>Issue Date: 25.09.2018</b>
Issued to:	M/s India Glycols Limited, Herbal Extraction Unit Plot No. 2 – 5, Pharma City, Selaqui, Dehradun Uttarakhand	
Type of Sample:	Ambient Air	
Sampling Location:	Near Boiler	
Date of Sampling:	18.09.2018 to 19.09.2018	
Mode of Collection of Sample:	Sampling by Laboratory	
Packing, Marking & Seal:	Envelop marked as "B-1" Absorbing Solution in Reagent Bottle Marked "B-1"	
Sampling Protocol:	IS: 5182 (P-14)	
Sample Drawn by:	Mr. Satveer Yadav & Team	
Date of Sample Receiving:	20.09.2018	
Time of Sampling:	24 Hrs (0845 Hrs. to 0845 Hrs.)	
Testing Protocol:	National Ambient Air Quality Standards (NAAQS), 2009	
Environmental Condition:	Sunny Day	
Analysis Duration:	20.09.2018 to 21.09.2018	

## RESULTS

S.No	Test Parameters	Units	Results	NAAQS		Test Method
				Annual*	24 Hours**	
1.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	40.35	Annual*	40	US EPA 40 CFR (P-50)
				24 Hours**	60	
2.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	82.59	Annual*	60	IS:5182 (23) 2006
				24 Hours**	100	
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	11.78	Annual*	50	IS :5182 (2) 2001
				24 Hours**	80	
4.	Nitrogen Oxides (as NO <sub>2</sub> )	µg/m <sup>3</sup>	24.20	Annual*	40	IS :5182 (6) 2006
				24 Hours**	80	
5.	Ammonia	µg/m <sup>3</sup>	ND	Annual*	100	APHA IInd Ed. 1977 Method- 801
				24 Hours**	400	
6.	Ozone (8 Hours)	µg/m <sup>3</sup>	ND	8 Hours*	100	IS :5182 (9)-1974 R 2003
				1 Hour**	180	
7.	Carbon Monoxide (as CO) (1Hour) <sup>#</sup>	mg/m <sup>3</sup>	ND	8 Hours*	02	Electrochemical Method
				1 Hour**	04	

\*Annual Arithmetic mean of minimum 104 measurements in a year at a particular site taken twice a week 24 hourly at uniform interval.

\*\*24 hourly 08 hourly or 1 hourly monitored values, as applicable shall be complied with 98% of the time in a year. 2% of the time, they may exceed the limits but not on two consecutive days of monitoring.

<sup>#</sup>Marked parameter is not in our scope. ND- Not Detected, Detection Limit = Ammonia – 10 µg/m<sup>3</sup>, Ozone - 10 µg/m<sup>3</sup>

**\*End of Report\***

*Rahman*  
(Checked by)  
*Rahul Kumar*



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## TEST REPORT

<b>Test Report No. TR/AAQ/2018/09/25-003</b>		<b>Issue Date: 25.09.2018</b>
Issued to:	M/s India Glycols Limited, Herbal Extraction Unit Plot No. 2 – 5, Pharma City, Selaqui, Dehradun Uttarakhand	
Type of Sample:	Ambient Air	
Sampling Location:	Near STP cum ETP area	
Date of Sampling:	19.09.2018 to 20.09.2018	
Mode of Collection of Sample:	Sampling by Laboratory	
Packing, Marking & Seal:	Envelop marked as "S-1" Absorbing Solution in Reagent Bottle Marked "S-1"	
Sampling Protocol:	IS: 5182 (P-14)	
Sample Drawn by:	Mr. Satveer Yadav & Team	
Date of Sample Receiving:	20.09.2018	
Time of Sampling:	24 Hrs (0900 Hrs. to 0900 Hrs.)	
Testing Protocol:	National Ambient Air Quality Standards (NAAQS) 2009	
Environmental Condition:	Sunny Day	
Analysis Duration:	20.09.2018 to 21.09.2018	

## RESULTS

S.No	Test Parameters	Units	Results	NAAQS		Test Method
				Annual*	24 Hours**	
1.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	42.01	40	60	US EPA 40 CFR (P-50)
2.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	87.60	60	100	IS:5182 (23) 2006
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	10.91	50	80	IS :5182 (2) 2001
4.	Nitrogen Oxides (as NO <sub>2</sub> )	µg/m <sup>3</sup>	23.47	40	80	IS :5182 (6) 2006
5.	Ammonia	µg/m <sup>3</sup>	ND	100	400	APHA II <sup>nd</sup> Ed. 1977 Method- 801
6.	Ozone (8 Hours)	µg/m <sup>3</sup>	ND	100	180	IS :5182 (9)-1974 R 2003
7.	Carbon Monoxide (as CO) (1Hour) <sup>#</sup>	mg/m <sup>3</sup>	ND	02	04	Electrochemical Method

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<sup>#</sup>Marked parameter is not in our scope. ND- Not Detected, Detection Limit = Ammonia – 10 µg/m<sup>3</sup>, Ozone - 10 µg/m<sup>3</sup>

**\*End of Report\***

*Phauhan*  
(Checked by)  
*Rahul Kumar*

(Authorized Signatory)  
*CAJAY PRADIVAYA*  
Kashipur

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## TEST REPORT

<b>Test Report No. TR/AAQ/2018/09/25-004</b>		<b>Issue Date: 25.09.2018</b>
Issued to:	M/s India Glycols Limited, Herbal Extraction Unit Plot No. 2 – 5, Pharma City, Selaqui, Dehradun Uttarakhand	
Type of Sample:	Ambient Air	
Sampling Location:	Near Main Gate	
Date of Sampling:	19.09.2018 to 20.09.2018	
Mode of Collection of Sample:	Sampling by Laboratory	
Packing, Marking & Seal:	Envelop marked as "MG-1" Absorbing Solution in Reagent Bottle Marked "MG-1"	
Sampling Protocol:	IS: 5182 (P-14)	
Sample Drawn by:	Mr. Satveer Yadav & Team	
Date of Sample Receiving:	20.09.2018	
Time of Sampling:	24 Hrs (0915 Hrs. to 0915 Hrs.)	
Testing Protocol:	National Ambient Air Quality Standards (NAAQS) 2009	
Environmental Condition:	Sunny Day	
Analysis Duration:	20.09.2018 to 21.09.2018	

## RESULTS

S.No	Test Parameters	Units	Results	NAAQS		Test Method
1.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	43.48	Annual*	40	US EPA 40 CFR (P-50)
				24 Hours**	60	
2.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	90.10	Annual*	60	IS:5182 (23) 2006
				24 Hours**	100	
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	11.10	Annual*	50	IS :5182 (2) 2001
				24 Hours**	80	
4.	Nitrogen Oxides (as NO <sub>2</sub> )	µg/m <sup>3</sup>	24.68	Annual*	40	IS :5182 (6) 2006
				24 Hours**	80	
5.	Ammonia	µg/m <sup>3</sup>	ND	Annual*	100	APHA Ind Ed. 1977 Method- 801
				24 Hours**	400	
6.	Ozone (8 Hours)	µg/m <sup>3</sup>	ND	8 Hours*	100	IS :5182 (9)-1974 R 2003
				1 Hour**	180	
7.	Carbon Monoxide (as CO) (1Hour) <sup>#</sup>	mg/m <sup>3</sup>	ND	8 Hours*	02	Electrochemical Method
				1 Hour**	04	

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<sup>#</sup>Marked parameter is not in our scope. ND- Not Detected, Detection Limit = Ammonia – 10 µg/m<sup>3</sup>, Ozone – 10 µg/m<sup>3</sup>

**\*End of Report\***

*Dhawan*  
(Checked by)  
*Rahul Kumar*

*(Authorized Signatory)*  
*CAJAY UPADHYAYA*  
Kashipur

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## TEST REPORT

<b>Test Report No. GNTR/AAQ/2018/09/25-001</b>		<b>Issue Date: 25.09.2018</b>			
Issued to:	M/s India Glycols Limited, Herbal Extraction Unit Plot No. 2 – 5, Pharma City, Selaqui, Dehradun Uttarakhand				
Type of Sample:	Work zone Air				
Sampling Location:	Solvent Area				
Date of Sampling:	18.09.2018				
Mode of Collection of Sample:	Sampling by Laboratory				
Packing, Marking & Seal:	Envelop marked as "SA-1" & Absorbing Solution in Reagent Bottle Mark "SA-1"				
Sample Drawn by:	Mr. Satveer Yadav & Team				
Date of Sample Receiving:	20.09.2018				
Time of Sampling:	8 Hrs. (1000 Hrs to 1800 Hrs)				
Environmental Condition:	Sunny Day				
Analysis Duration:	20.09.2018 to 22.09.2018				
<b>RESULTS</b>					
S.No	Test Parameters	Units	Results	Permissible Limits (Factories Act 1948)	Test Method
1.	Suspended Particulate Matter	mg/m <sup>3</sup>	0.34	10	IS :5182 (4) 1999
2.	Sulphur Dioxide (SO <sub>2</sub> )	mg/m <sup>3</sup>	0.019	5.0	IS :5182 (2) 2001
3.	Nitrogen Oxides (as NO <sub>2</sub> )	mg/m <sup>3</sup>	0.12	6.0	IS :5182 (6) 2006

**\*End of Report\***

*Phauhan*  
(Checked by)  
*Chahul Kumar*

(Authorized Signatory)  
*CAJAY UPADHYAYA*  
Kashipur

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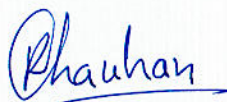
## TEST REPORT

<b>Test Report No. GNTR/AAQ/2018/09/25-002</b>		<b>Issue Date: 25.09.2018</b>
Issued to:	M/s India Glycols Limited, Herbal Extraction Unit Plot No. 2 - 5, Pharma City, Selaqui, Dehradun Uttarakhand	
Type of Sample:	Work zone Air	
Sampling Location:	CO <sub>2</sub> Recovery	
Date of Sampling:	19.09.2018	
Mode of Collection of Sample:	Sampling by Laboratory	
Packing, Marking & Seal:	Envelop marked as "C-1" & Absorbing Solution in Reagent Bottle Mark "C-1"	
Sample Drawn by:	Mr. Satveer Yadav & Team	
Date of Sample Receiving:	20.09.2018	
Time of Sampling:	8 Hrs. (1030 Hrs to 1830 Hrs)	
Environmental Condition:	Sunny Day	
Analysis Duration:	20.09.2018 to 22.09.2018	

## RESULTS

S.No	Test Parameters	Units	Results	Permissible Limits (Factories Act 1948)	Test Method
1.	Suspended Particulate Matter	mg/m <sup>3</sup>	0.39	10	IS :5182 (4) 1999
2	Sulphur Dioxide (SO <sub>2</sub> )	mg/m <sup>3</sup>	0.02	5.0	IS :5182 (2) 2001
3.	Nitrogen Oxides (as NO <sub>2</sub> )	mg/m <sup>3</sup>	0.103	6.0	IS :5182 (6) 2006

**\*End of Report\***

  
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Rahul Kumar



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## TEST REPORT

Test Report No: TR/SM/2018/09/25-001	:	Issued Date: 25.09.2018
Issued to	:	M/s India Glycols Limited, Herbal Extraction Unit Plot No. 2 - 5, Pharma City, Selaqui, Dehradun Uttarakhand
Sample Description	:	Stack Emission
Sampling Location	:	Boiler
Date of Sampling	:	18.09.2018
Capacity (TPH/ KVA/ Kg/Hr)	:	4 TPH
Type of Stack (Metal/RCC/Brick)	:	Metal
Shape of Stack (Circular/Rectangular)	:	Circular
Diameter of Stack (Meter)	:	1.2
Height of Stack from Ground Level (M)	:	42
Type of Fuel used (HSD/FO/Coal etc.)	:	Briquette
Fuel consumed per Hour	:	--
Ambient Temperature (°C)	:	25
Stack Temperature (°C)	:	92
Average velocity of emission (m/sec)	:	9.81
Average Flow Rate (LPM)	:	15
Duration of Sampling (min.)	:	39 (1115 Hrs to 1154 Hrs)
Sampling Protocol	:	IS:11255 & Customer Requirement
Sampling Packing & Marking	:	Sealed Zip Poly Bag & Plastic Bottle
Sample Drawn By	:	Mr. Satveer Yadav & Team
Environmental Condition	:	Sunny day
Date of Receipt of Sample:	:	20.09.2018
Analysis Duration	:	20.09.2018 to 22.09.2018

## RESULTS

S. No	Test Parameter	Unit	Results	Limits	Test Method
1.	Particulate Matter (PM) @ 12% CO <sub>2</sub> Correction	mg/Nm <sup>3</sup>	120.42	800.0	IS: 11255 (P-1) 1985
2.	Sulphur Dioxide (SO <sub>2</sub> )	mg/Nm <sup>3</sup>	66.82	NA	IS: 11255 (P-2) 1985
3.	Nitrogen Oxides (as NO <sub>x</sub> )	mg/Nm <sup>3</sup>	52.90	NA	IS: 11255 (P-7) 2005

\*End of Report\*

  
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Rahul Kumar



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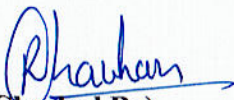
## TEST REPORT

Test Report No: TR/SM/2018/09/25-002	:	Issued Date: 25.09.2018
Issued to	:	M/s India Glycols Limited, Herbal Extraction Unit Plot No. 2 – 5, Pharma City, Selaqui, Dehradun Uttarakhand
Sample Description	:	Stack Emission
Sampling Location	:	DG-1
Date of Sampling	:	19.09.2018
Capacity (TPH/ KVA/ Kg/Hr)	:	750 KVA
Type of Stack (Metal/RCC/Brick)	:	Metal
Shape of Stack (Circular/Rectangular)	:	Circular
Diameter of Stack (Meter)	:	0.3
Height of Stack from Ground Level (M)	:	18
Type of Fuel used (HSD/FO/Coal etc.)	:	HSD
Fuel consumed per Hour	:	--
Ambient Temperature (°C)	:	25
Stack Temperature (°C)	:	330
Average velocity of emission (m/sec)	:	10.62
Average Flow Rate (LPM)	:	22
Duration of Sampling (min.)	:	27 (1030 Hrs to 1057 Hrs)
Sampling Protocol	:	IS:11255 & Customer Requirement
Sampling Packing & Marking	:	Sealed Zip Poly Bag & Plastic Bottle
Sample Drawn By	:	Mr. Satveer Yadav & Team
Environmental Condition	:	Sunny day
Date of Receipt of Sample:	:	20.09.2018
Analysis Duration	:	20.09.2018 to 22.09.2018

### RESULTS

S. No.	Test Parameter	Unit	Results	Limits	Test Method
1.	Particulate Matter (PM)	gm/Kw-hr	0.125	0.3	IS: 11255 (P-1) 1985
2.	Sulphur Dioxide (SO <sub>2</sub> )	gm/Kw-hr	0.064	NA	IS: 11255 (P-2) 1985
3.	Nitrogen Oxides (as NO <sub>x</sub> )	gm/Kw-hr	0.157	9.2	IS: 11255 (P-7) 2005

\*End of Report\*

  
(Checked By)  
Rahul Kumar

  
(Authorized Signatory)  
CAJAY UDAD HYANA  
Kashipur (UK)

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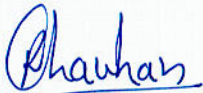
## TEST REPORT

Test Report No: TR/SM/2018/09/25-003	: Issued Date: 25.09.2018
Issued to	: M/s India Glycols Limited, Herbal Extraction Unit Plot No. 2 – 5, Pharma City, Selaqui, Dehradun Uttarakhand
Sample Description	: Stack Emission
Sampling Location	: DG-2
Date of Sampling	: 19.09.2018
Capacity (TPH/ KVA/ Kg/Hr)	: 750 KVA
Type of Stack (Metal/RCC/Brick)	: Metal
Shape of Stack (Circular/Rectangular)	: Circular
Diameter of Stack (Meter)	: 0.3
Height of Stack from Ground Level (M)	: 18
Type of Fuel used (HSD/FO/Coal etc.)	: HSD
Fuel consumed per Hour	: --
Ambient Temperature (°C)	: 26
Stack Temperature (°C)	: 352
Average velocity of emission (m/sec)	: 11.53
Average Flow Rate (LPM)	: 23
Duration of Sampling (min.)	: 26 (1110 Hrs to 1136 Hrs)
Sampling Protocol	: IS:11255 & Customer Requirement
Sampling Packing & Marking	: Sealed Zip Poly Bag & Plastic Bottle
Sample Drawn By	: Mr. Satveer Yadav & Team
Environmental Condition	: Sunny day
Date of Receipt of Sample:	: 20.09.2018
Analysis Duration	: 20.09.2018 to 22.09.2018

### RESULTS

S. No	Test Parameter	Unit	Results	Limits	Test Method
1.	Particulate Matter (PM)	gm/Kw-hr	0.160	0.3	IS: 11255 (P-1) 1985
2.	Sulphur Dioxide (SO <sub>2</sub> )	gm/Kw-hr	0.071	NA	IS: 11255 (P-2) 1985
3.	Nitrogen Oxides (as NO <sub>x</sub> )	gm/Kw-hr	0.155	9.2	IS: 11255 (P-7) 2005

\*End of Report\*

  
(Checked By)  
(Rahul Kumar)

(Authorized Signatory)  
  
\* RAJESH KUMAR YADAV \*

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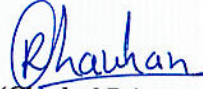
(A unit of India Glycols Limited, an ISO: 9001, ISO: 14001, OHSAS: 18001, ISO: 22000, FSSC: 22000, SA: 8000, ISO: 50001 certified Company)

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District - Udham Singh Nagar - 244713 (Uttarakhand)  
Email: [igllabksp@gmail.com](mailto:igllabksp@gmail.com)

## TEST REPORT

<b>Report Code : TR/GW/2018/09/25-001</b>			<b>Issue Date: 25.09.2018</b>			
<b>Issued to:</b>		M/s India Glycols Limited, Herbal Extraction Unit Plot No. 2 - 5, Pharma City, Selaqui, Dehradun Uttarakhand				
<b>Type of Sample:</b>		Ground water				
<b>Sampling Location:</b>		Borewell				
<b>Sample Quantity:</b>		2 Liter				
<b>Date of Sampling:</b>		20.09.2018				
<b>Sampling Protocol:</b>		IS: 3025 (P-1)				
<b>Sample Packaging &amp; Marking:</b>		Plastic Bottle Marked "GW-1"				
<b>Sample Drawn by:</b>		Mr. Satveer Yadav & Team				
<b>Environmental Condition:</b>		Sunny Day				
<b>Date of Receipt of Sample:</b>		20.09.2018				
<b>Analysis of Duration:</b>		20.09.2018 to 24.09.2018				
S.No	Test Parameters	Units	Results	Specification (IS:10500; 2012)		Test Method
				Acceptable Limit	Permissible Limit	
<b>A</b>	<b>Physical Parameters</b>					
1	pH value	--	7.21	6.5 to 8.5	No relaxation	IS: 3025(P-11) 1983 R-2002
2	Colour	APHA	< 5.0	Max 5	Max 15	IS: 3025(P-4)1983 R-2002
3	Total Dissolved Solids	mg/l	256.2	Max 500	Max 2000	IS: 3025 (P-16): 1984
4	Turbidity	NTU	< 1.0	Max 1	Max 5	IS: 3025 (P- 10) 1984 R-2002
<b>B</b>	<b>Chemical Parameters</b>					
8	Total Hardness (as CaCO <sub>3</sub> )	mg/l	160	Max 200	Max 600	IS: 3025(P-21) 1983R2002
9	Chlorides (as Cl)	mg/l	15.34	Max 250	Max 1000	IS: 3025 (P-32): 1988
10	Calcium (as Ca)	mg/l	48.0	Max. 75	Max. 200	IS:3025 (P-40) : 1991
11	Magnesium (as Mg)	mg/l	15.33	Max. 30	Max. 100	IS:3025 (P-46) : 1994
12	Sulphate (as SO <sub>4</sub> )	mg/l	21.0	Max 200	Max 400	IS: 3025 (P-24)1986, R 2003
13	Total Alkalinity	mg/l	171	Max 200	Max 600	IS:3025 (P-23) 1986, R 2003

**\*End of Report\***

  
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(Rahul Kumar)



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Email: [igllabksp@gmail.com](mailto:igllabksp@gmail.com)

## TEST REPORT

<b>Report Code : TR/GW/2018/09/25-001</b>		<b>Issue Date: 25.09.2018</b>		
Issued to:	M/s India Glycols Limited, Herbal Extraction Unit Plot No. 2 - 5, Pharma City, Selaqui, Dehradun Uttarakhand			
Type of Sample:	Ground water			
Sampling Location:	Borewell			
Sample Quantity:	2 x 200 ml			
Date of Sampling:	20.09.2018			
Sampling Protocol:	IS : 1622-1981; R 2009			
Sample Packaging & Marking:	Sterilized Glass Bottle Marked as "GW-1".			
Sample Drawn by:	Mr. Satveer Yadav & Team			
Environmental Condition:	Sunny Day			
Date of Receipt of Sample:	20.09.2018			
Analysis of Duration:	21.09.2018 to 24.09.2018			
<b>Microbiological Parameters</b>				
S. No.	Test Parameters	Units	Results	Test Method
1	Total coliform	MPN/100ml	< 2	IS : 1622 - 1981; R 2009
2	E. coli -	MPN/100ml	< 2	IS : 1622 - 1981, R 2009

**Note:** The above test results < 2 MPN/100 ml is below detection limit i.e. (Absent/100 ml). So the Test sample is comply/pass as per specification IS - 10500:2012

**\*End of Report\***

*Rahul Kumar*

(Checked By)

*Rahul Kumar*



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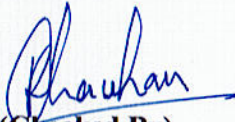
## TEST REPORT

Test Report No. TR/NQ/2018/09/25-001		Issue Date: 25.09.2018
Issued to:	M/s India Glycols Limited, Herbal Extraction Unit Plot No. 2 - 5, Pharma City, Selaqui, Dehradun Uttarakhand	
Type of Sample:	Ambient Noise	
Sampling Location:	Average Noise Level - Near D.G. Set	
Date of Sampling:	18.09.2018	
Mode of Collection of Sample:	Sampling by Laboratory	
Sampling Protocol:	IS: 9989: 1981- R 2001	
Sample Drawn by:	Mr. Satveer Yadav & Team	
Date of Sample Receiving:	20.09.2018	
Time of Sampling:	1 Hr. (1500 Hrs to 1600 Hrs)	
Testing Protocol:	Ambient Air Quality Standards for Noise	
Environmental Condition:	Sunny day	
Date of Reporting :	21.09.2018	

### RESULTS

S.No	Test Parameters	Unit	Result	Permissible Limits dB(A)	Test Method
1.	Ambient Noise - Day Time (1 Hour $L_{eq}$ )	dB (A)	67.7	75 (Day Time 6 AM - 10 PM)	IS: 9989: 1981

\*End of Report\*

  
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Rahul Kumar



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## TEST REPORT

Test Report No. TR/NQ/2018/09/25-002			Issue Date: 25.09.2018		
Issued to:		M/s India Glycols Limited, Herbal Extraction Unit Plot No. 2 – 5, Pharma City, Selaqui, Dehradun Uttarakhand			
Type of Sample:		Ambient Noise			
Sampling Location:		Average Noise Level - Near Main Gate			
Date of Sampling:		18.09.2018			
Mode of Collection of Sample:		Sampling by Laboratory			
Sampling Protocol:		IS: 9989: 1981- R 2001			
Sample Drawn by:		Mr. Satveer Yadav & Team			
Date of Sample Receiving:		20.09.2018			
Time of Sampling:		1 Hr. (1630 Hrs to 1730 Hrs)			
Testing Protocol:		Ambient Air Quality Standards for Noise			
Environmental Condition:		Sunny day			
Date of Reporting :		21.09.2018			
<b>RESULTS</b>					
S.No	Test Parameters	Unit	Result	Permissible Limits dB(A)	Test Method
1.	Ambient Noise - Day Time (1 Hour $L_{eq}$ )	dB (A)	68.1	75 (Day Time 6 AM – 10 PM)	IS: 9989: 1981

\*End of Report\*

  
(Checked By)  
Rahul Kumar

  
(Authorized Signatory)  
CAJAY KUDAVAYA

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## TEST REPORT

Test Report No. TR/NQ/2018/09/25-003		Issue Date: 25.09.2018			
Issued to:	M/s India Glycols Limited, Herbal Extraction Unit Plot No. 2 - 5, Pharma City, Selaqui, Dehradun Uttarakhand				
Type of Sample:	Ambient Noise				
Sampling Location:	Average Noise Level - Near Boiler				
Date of Sampling:	19.09.2018				
Mode of Collection of Sample:	Sampling by Laboratory				
Sampling Protocol:	IS: 9989: 1981- R 2001				
Sample Drawn by:	Mr. Satveer Yadav & Team				
Date of Sample Receiving:	20.09.2018				
Time of Sampling:	1 Hr. (1430 Hrs to 1530 Hrs)				
Testing Protocol:	Ambient Air Quality Standards for Noise				
Environmental Condition:	Sunny day				
Date of Reporting :	21.09.2018				
<b>RESULTS</b>					
S.No	Test Parameters	Unit	Result	Permissible Limits dB(A)	Test Method
1.	Ambient Noise - Day Time (1 Hour $L_{eq}$ )	dB (A)	68.1	75 (Day Time 6 AM - 10 PM)	IS: 9989: 1981

*\*End of Report\**

  
(Checked By)  
(Rahul Kumar)

  
(Authorized Signatory)  
CAJAY OPADHYAYA

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