

## TEST REPORT

**Report No. :** ICE-2410160511

**ULR No. :** TC592624000019501F



### Issued To :

**Zyduz Wellness Products Ltd. (Unit-II)**

Plot No.28P, 30P & 36P, Near Mamring Power House, (South Sikkim),

Sikkim, 737132

Sikkim, India

Sample Registration No. : E01-2410030101

Sample Name : Stack Boiler

Sample Condition : Good

### Sample Details (if any)

Sample Quantity : 1 Thimble, 30ml, 25ml

Packaging Mode : Packed in vials

Batch No./QR Code : Date of Sampling: 21.09.2024, Boiler (1.1 Ton)

Date of Manufacture : NA

Sample Submission Type : Sampled by Lab Rep /Arvind Kumar

Customer Reference : FDS/21/09/2024

Any Other Information : Sample Collected by lab rep. on 21.09.2024, Boiler (1.1 Ton)

Test Report as per : EPA-1986, PCLS/02/2021

Received On : 03-10-2024

Commenced On : 03-10-2024

Completed On : 10-10-2024

Date of Report : 16-10-2024

Grade : NA

Date of Expiry : NA

### S. No. Sampling Information:

- (a) Name of the emission source monitored : Stack Emission of Boiler  
 (b) Rated Capacity : 1.1 Ton  
 (c) Capacity on sampling day : -do-  
 (d) Type of fuel used & its consumption : Briquette & 60 Kg/hr  
 (e) Normal operating schedule : 24 hrs  
 (f) Stack Identification : Stack attached to Boiler (1.1 ton)  
 (g) Type of Stack/Duct : Metal  
 (h) Stack Height from Ground Level , m : 15  
 (i) Diameter of the Stack , cm : 125  
 (j) Sampling Duration , minutes : 42  
 (k) Purpose of Monitoring : To assess the pollution load  
 (l) Air Pollution control measure : Not Exist  
 (m) Status : -  
 (n) Recovery of Material : -  
 (o) Fugitive Emission, if any : Nil  
 (p) Date of Monitoring : 21-09-2024  
 (q) Time of Monitoring : 12:15 to 12:57 hrs

### Observations:

- (r) Flue Gas Temperature , °C Avg. : 167  
 (s) Flue Gas Velocity , m/s Avg. : 14.49  
 (t) Volumetric Flow Rate , Nm<sup>3</sup>/hr. : 41451.95  
 (u) Ambient Air Temperature , °C : 36  
 (v) Barometric Pressure , mmHg : 727

S. No.	Parameter	Measuring Unit	Instrument	Method	Result	Specification
	<b>Discipline : Chemical</b>					



16/10/2024

**Vikrant Saini**

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16/10/2024

**Prem Kumar**

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Group : Atmospheric Pollution						
(I) General Parameters						
1	Carbon Monoxide(CO)	% v/v	Orsat Apparatus	IS:13270	0.2	Max. 1.0
2	Carbon Dioxide (CO <sub>2</sub> )	%	Orsat Apparatus	IS:13270	10.8	-
3	Oxygen (O <sub>2</sub> )	% v/v	Orsat Apparatus	IS:13270	6.8	-
4	Particulate Matter(Corrected to 6% O <sub>2</sub> on dry basis)	mg/Nm <sup>3</sup>	Gravimetric	IS:11255(P-1)	95.19	Max. 500
5	Sulphur Dioxide(SO <sub>2</sub> )(Corrected to 6% O <sub>2</sub> on dry basis)	mg/Nm <sup>3</sup>	Titration	IS:11255(P-2)	5.32	-
6	Oxides of Nitrogen (NO <sub>x</sub> )(Corrected to 6% O <sub>2</sub> on dry basis)	mg/Nm <sup>3</sup>	UV-Spectrophotometer	IS:11255(P-7)	12.38	-

**NOTE** : NA- Not Applicable. Requirement as per EPA-1986, PCLS/02/2021. Sampling Procedure: SOP/ITC/EW/056. Sample Collected by lab rep. on 21-09-2024.

**REMARKS** : See Note

\*\*\*\*\*End of Report\*\*\*\*\*



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## TEST REPORT

**Report No. :** ICE-2410160509

**ULR No. :** TC592624000019499F



### Issued To :

**Zydus Wellness Products Ltd. (Unit-II)**

Plot No.28P, 30P & 36P, Near Mamring Power House, (South Sikkim),

Sikkim, 737132

Sikkim, India

Sample Registration No. : E01-2410030102

Sample Name : Stack DG Set

Sample Condition : Good

### Sample Details (if any)

Sample Quantity : 1 Thimble, 30ml, 25ml

Packaging Mode : Packed in vials

Batch No./QR Code : Date of Sampling: 21.09.2024, DG Set (750 KVA)

Date of Manufacture : NA

Sample Submission Type : Sampled by Lab Rep /Arvind Kumar

Customer Reference : FDS/21/09/2024

Any Other Information : Sample Collected by lab rep. on 21.09.2024, DG Set (750 KVA)

Test Report as per : EPA Act 1986/PCLS/2010,G.S.R 281(E),Dated-  
07.03.2016

Received On : 03-10-2024

Commenced On : 03-10-2024

Completed On : 10-10-2024

Date of Report : 16-10-2024

Grade : NA

Date of Expiry : NA

### S. No. Sampling Information:

- |   |   |
|---|---|
| (a) Name of the emission source monitored | : Stack Emission of DG Set                                  |
| (b) Rated Capacity                        | : 750 kVA   |
| (c) Capacity on sampling day              | : 86%   |
| (d) Type of fuel used & its consumption   | : HSD & 100 ltr/hr  |
| (e) Normal operating schedule             | : As Required   |
| (f) Stack Identification                  | : Stack attached to DG Set (750 kVA) ( Engine No. 25363687) |
| (g) Type of Stack/Duct                    | : Metal   |
| (h) Stack Height from Ground Level , m    | : 15  |
| (i) Diameter of the Stack , cm            | : 30  |
| (j) Sampling Duration , minutes           | : 36  |
| (k) Purpose of Monitoring                 | : To assess the pollution load                              |
| (l) Air Pollution control measure         | : Not Applicable  |
| (m) Status                                | : -   |
| (n) Recovery of Material                  | : -   |
| (o) Fugitive Emission, if any             | : Nil   |
| (p) Date of Monitoring                    | : 21-09-2024  |
| (q) Time of Monitoring                    | : 11:10 to 11:46 hrs  |

### Observations:

- |   |           |
|---|-----------|
| (r) Flue Gas Temperature , °C Avg.              | : 200     |
| (s) Flue Gas Velocity , m/s Avg.                | : 15.04   |
| (t) Volumetric Flow Rate , Nm <sup>3</sup> /hr. | : 2305.36 |
| (u) Ambient Air Temperature , °C                | : 32      |
| (v) Barometric Pressure , mmHg                  | : 727     |

S. No.	Parameter	Measuring Unit	Instrument	Method	Result	Specification
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## TEST REPORT

Report No. : ICE-2410100399

ULR No. : TC592624000019320F

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### Issued To :

**Zydus Wellness Products Ltd. (Unit-II)**

Plot No.28P, 30P & 36P, Near Mamring Power House, (South Sikkim),

Sikkim, 737132

Sikkim, India

Sample Registration No. : E01-2410030103

Sample Name : Ambient Air

Sample Condition : Good

Received On : 03-10-2024

Commenced On : 03-10-2024

Completed On : 10-10-2024

Date of Report : 10-10-2024

### Sample Details (if any)

Sample Quantity : 2 FP, 2x30ml, 2x10ml

Packaging Mode : Packed in poly pack & in vials

Batch No./QR Code : Date of Sampling: 21.09.2024, Location: Near RCC Tank Grade : NA

Date of Manufacture : NA Date of Expiry : NA

Sample Submission Type : Sampled by Lab Rep /Arvind Kumar

Customer Reference : FDS/21/09/2024

Any Other Information : Sample Collected by lab rep. on: 21.09.2024, Location: Near RCC Tank

Test Report as per : NAAQS 2009

### S. No. Sampling Information:

- |   |                                 |
|---|---------------------------------|
| (a) Purpose of Monitoring               | : To assess the pollution level |
| (b) Location of Sampling Point          | : Near RCC Tank                 |
| (c) Date of Monitoring                  | : 21-09-2024                    |
| (d) Duration of Monitoring , minutes    | : 1440                          |
| (e) Avg. Flow Rate of Sampling , m3/min | : 1.27                          |
| (f) Volume of air sampled , m3          | : 1828.80                       |
| (g) Avg. Ambient Temperature , °C       | : 32                            |
| (h) Time of Monitoring                  | : 10:05 hrs                     |

### Description: Ambient Air Quality Monitoring

S. No.	Parameter	Measuring Unit	Instrument	Method	Result	Specification
<b>Discipline : Chemical</b>						
<b>Group : Atmospheric Pollution</b>						
<b>(I) Ambient Air Quality Parameters(Time weighted Avg- 24 Hours)</b>						
1	Sulphur Dioxide(SO <sub>2</sub> )	µg/m <sup>3</sup>	UV-Spectrophotometer	IS: 5182 (P-2): 2017	8.13	80 Max
2	Nitrogen Dioxide(NO <sub>2</sub> )	µg/m <sup>3</sup>	UV-Spectrophotometer	IS: 5182 (P-6): 2017	14.09	80 Max
3	Particulate Matter (PM10)	µg/m <sup>3</sup>	Gravimetric	IS: 5182 (P-23): 2017	86.23	100 Max
4	Particulate matter (PM 2.5)	µg/m <sup>3</sup>	Gravimetric	IS: 5182 (P-24)-2019	37.04	60 Max
5	Lead(As Pb)	µg/m <sup>3</sup>	ICPOES	STP/ITC/EW/002	BLQ(LOQ:0.1)	1.0 Max
6	Ammonia(NH <sub>3</sub> )	µg/m <sup>3</sup>	UV-Spectrophotometer	IS: 5182 (P-25): 2018	30.32	400 Max



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(II) Ambient Air Quality Parameters(Time weighted Avg- 8 Hours)						
1	Ozone(O <sub>3</sub> )	µg/m <sup>3</sup>	UV-Spectrophotometer	IS: 5182 (P-9): 2019	24.21	100 Max.
2	Carbon Monoxide(CO)	mg/m <sup>3</sup>	GC	IS: 5182 (P-10): 2019	1.3	2 Max.
(III) Ambient Air Quality Parameters(Time weighted Avg- Annual*)						
1	Benzene(C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	GC	IS: 5182 (P-11): 2017	BLQ(LOQ:1.0)	5 Max
2	Benzo(a) Pyrene Particulate Phase only	ng/m <sup>3</sup>	GCMSMS	IS: 5182 (P-12): 2019	BLQ(LOQ:0.5)	1 Max
3	Arsenic(as As)	ng/m <sup>3</sup>	ICPOES	STP/ITC/EW/002	BLQ(LOQ:1.0)	6 Max.
4	Nickel(As Ni)	ng/m <sup>3</sup>	ICPOES	STP/ITC/EW/002	BLQ(LOQ:1.0)	20 Max.

**NOTE** : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirement as per NAQQS 2009. Sampling Procedure: SOP/ITC/EW/056.

**REMARKS** : \*Annual arithmetic mean of minimum 104 measurements in a year at a particular site taken twice a week 24 hourly at uniform intervals

\*\*\*\*\*End of Report\*\*\*\*\*



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## TEST REPORT

**Report No. :** ICE-2410100402

**ULR No. :** TC592624000019323F

### Issued To :

**Zydus Wellness Products Ltd. (Unit-II)**

Plot No.28P, 30P & 36P, Near Mamring Power House, (South Sikkim),

Sikkim, 737132

Sikkim, India

Sample Registration No. : E01-2410030104

Sample Name : Ambient Air

Sample Condition : Good

### Sample Details (if any)

Sample Quantity : 2 FP, 2x30ml, 2x10ml

Packaging Mode : Packed in poly pack & in vials

Batch No./QR Code : Date of Sampling: 21.09.2024, Location: Near Scrap Yard

Date of Manufacture : NA

Sample Submission Type : Sampled by Lab Rep /Arvind Kumar

Customer Reference : FDS/21/09/2024

Any Other Information : Sample Collected by lab rep. on: 21.09.2024, Location: Near Scrap Yard

Test Report as per : NAAQS 2009

Received On : 03-10-2024

Commenced On : 03-10-2024

Completed On : 10-10-2024

Date of Report : 10-10-2024

Grade : NA

Date of Expiry : NA

### S. No. Sampling Information:

- (a) Purpose of Monitoring : To assess the pollution level  
 (b) Location of Sampling Point : Near Scrap Yard  
 (c) Date of Monitoring : 21-09-2024  
 (d) Duration of Monitoring , minutes : 1440  
 (e) Avg. Flow Rate of Sampling , m3/min : 1.26  
 (f) Volume of air sampled , m3 : 1814.40  
 (g) Avg. Ambient Temperature , °C : 32  
 (h) Time of Monitoring : 09:35 hrs

### Description: Ambient Air Quality Monitoring

S. No.	Parameter	Measuring Unit	Instrument	Method	Result	Specification
<b>Discipline : Chemical</b>						
<b>Group : Atmospheric Pollution</b>						
<b>(I) Ambient Air Quality Parameters(Time weighted Avg- 24 Hours)</b>						
1	Sulphur Dioxide(SO <sub>2</sub> )	µg/m <sup>3</sup>	UV-Spectrophotometer	IS: 5182 (P-2): 2017	13.12	80 Max
2	Nitrogen Dioxide(NO <sub>2</sub> )	µg/m <sup>3</sup>	UV-Spectrophotometer	IS: 5182 (P-6): 2017	20.15	80 Max
3	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	Gravimetric	IS: 5182 (P-23): 2017	89.26	100 Max
4	Particulate matter (PM 2.5)	µg/m <sup>3</sup>	Gravimetric	IS: 5182 (P-24)-2019	41.25	60 Max
5	Lead(As Pb)	µg/m <sup>3</sup>	ICPOES	STP/ITC/EW/002	BLQ(LOQ:0.1)	1.0 Max
6	Ammonia(NH <sub>3</sub> )	µg/m <sup>3</sup>	UV-	IS: 5182 (P-25):	34.10	400 Max

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## TEST REPORT

Report No. : ICE-2410140479

ULR No. : TC592624000019432F



### Issued To :

**Zydus Wellness Products Ltd. (Unit-II)**

Plot No.28P, 30P & 36P, Near Mamring Power House, (South Sikkim),

Sikkim, 737132

Sikkim, India

Sample Registration No. : E01-2410030105

Sample Name : Noise Monitoring (for 4 Locations)

Sample Condition : Good

### Sample Details (if any)

Sample Quantity : NA

Packaging Mode : NA

Batch No./QR Code : NA

Date of Manufacture : NA

Sample Submission Type : Sampled by Lab Rep /Arvind Kumar

Customer Reference : FDS/21/09/2024

Any Other Information : Sample Collected by lab rep. on: 21.09.2024

Test Report as per : Factory Act 1948

Received On : 03-10-2024

Commenced On : 03-10-2024

Completed On : 14-10-2024

Date of Report : 14-10-2024

Grade : NA

Date of Expiry : NA

### S. No. Sampling Information:

- (a) Name of Sample : Work Zone Noise Monitoring  
 (b) Purpose of Monitoring : To assess the noise level  
 (c) Date of Monitoring : 21-09-2024  
 (d) Time of Monitoring : Day & Night  
 (e) Nature of Industry : Wellness

S. No.	Parameter	Measuring Unit	Instrument	Method	Result	Specification
<b>Discipline : Chemical</b>						
<b>Group : Atmospheric Pollution</b>						
(I)	<b>Location Name</b>					
1	Boiler Area(Day Time)	Leq dB (A)	Noise Meter	IS:9989(RA 2020)	68.2	Max. 85.0
2	Boiler Area(Night Time)	Leq dB (A)	Noise Meter	IS:9989(RA 2020)	63.7	Max. 85.0
3	Compression-1(Day)	Leq dB (A)	Noise Meter	IS:9989(RA 2020)	68.3	Max. 85.0
4	Compression-1(Night)	Leq dB (A)	Noise Meter	IS:9989(RA 2020)	64.0	Max. 85.0
5	Near Server Room(Day Time)	Leq dB (A)	Noise Meter	IS:9989(RA 2020)	68.1	Max. 85.0
6	Near Server Room(Night Time)	Leq dB (A)	Noise Meter	IS:9989(RA 2020)	63.8	Max. 85.0
7	Solpack Area (Day Time)	Leq dB (A)	Noise Meter	IS:9989(RA 2020)	67.4	Max. 85.0
8	Solpack Area (Night Time)	Leq dB (A)	Noise Meter	IS:9989(RA 2020)	63.2	Max. 85.0



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**NOTE** : NA- Not Applicable, Requirement as per FACTORY ACT-1948. Sampling Procedure: SOP/ITC/EW/056. Day Time - 06 :00 Hrs To 22 :00 Hrs, Night Time - 22 :00 Hrs To 06 :00 Hrs. Sample Collected by lab rep. on 21-09-2024.

**REMARKS** : See Note

\*\*\*\*\*End of Report\*\*\*\*\*

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