

Interstellar Testing Centre Pvt. Ltd.

TEST REPORT

ORIGINAL

Test Report No. **E02-1806010001**

Page No : 1 of 3

Issued To:

M/s. SFP Sons India Pvt Ltd.,
A-24, MEPZ-Special Economic Zone,
Tambaram, Chennai – 600 045.

Sample Description : RO Water
Sample Appearance : Clear Colourless Liquid
Sample details :-
Sample Quantity : 2 Ltr X 1 No, 100 ml X 1 No
Collection Date : 01.06.2018
Sample Location : -
Sample Collection : M/s. Interstellar Testing Centre., Chennai.
Customer Reference : Letter Dated : 01.06.2018
Test Request Form Dated : 01.06.2018

Received on : 01.06.2018
Commenced On : 01.06.2018
Completed On : 05.06.2018
Date of Report : 05.06.2018

S.No	Parameters	Test Method	Specification as per IS 10500 - 2012		Unit	Result
			Acceptable limit	Permissible limit		
1.	Appearance	By Visual Examination	-	-	-	Colourless Clear Liquid
2.	Colour, Max	IS:3025(Part - 4) :1983 (RA:2017)	5	15	Hazen	2
3.	Odour	IS:3025(Part - 5) :1983 (RA:2017)	Agreeable	Agreeable	-	Agreeable
4.	pH @ 25°C	IS:3025(Part - 11) :1983 (RA:2017)	6.5 – 8.5	No relaxation	-	6.53
5.	Taste	IS:3025(Part - 8) :1983 (RA:2017)	Agreeable	Agreeable	-	Agreeable
6.	Turbidity, Max	IS:3025(Part - 10) :1984 (RA:2017)	1	5	NTU	0.1

Verified by

Interstellar Testing Centre Pvt. Ltd.

Plot No. 2,S.No.12/2A, Industrial Estate,
Perungudi, Sholinganallur Taluk, Chennai – 600 096.
Ph : 044 – 24962512
Email : info@itclabs.com
Website : www.itclabs.com

Disclaimer :

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Authorised by

M. VIJAYANAND
Section In-Charge
Environment Section

S.No	Parameters	Test Method	Specification as per IS 10500 - 2012		Unit	Result
			Acceptable limit	Permissible limit		
7.	Conductivity @ 25°C	IS3025(Part - 14):1984 (Reaff.2013)	-	-	µmhos/cm	29.47
8.	Total Dissolved solids, Max	IS:3025(Part - 16) :1984 (RA:2017)	500	2000	mg/l	18
9.	Total Hardness (as CaCO ₃) , Max	IS:3025 (Part - 21) : 2009 (RA:2014)	200	600	mg/l	2
10.	Carbonate Hardness (as CaCO ₃)	IS:3025 (Part - 21) : 2009 (RA:2014)	-	-	mg/l	2
11.	Non Carbonate Hardness (as CaCO ₃)	IS:3025 (Part - 21) : 2009 (RA:2014)	-	-	mg/l	Nil
12.	Phenolphthalein Alkalinity (as CaCO ₃)	IS:3025 (Part - 23) : 1986 (RA:2014)	-	-	mg/l	Nil
13.	Total Alkalinity (as CaCO ₃) , Max	IS:3025 (Part - 23) :1986 (RA:2014)	200	600	mg/l	8
14.	Calcium as Ca, Max	IS:3025 (Part - 40) :1991 (RA:2014)	75	200	mg/l	BLQ(LOQ:1.0)
15.	Magnesium as Mg, Max	IS:3025 (Part - 46) :1994 (RA:2009)	30	100	mg/l	BLQ(LOQ:1.0)
16.	Chloride as Cl, Max	IS:3025 (Part - 32) :1988 (RA:2009)	250	1000	mg/l	4.4
17.	Sulphate as SO ₄ , Max	IS:3025 (Part - 24) : 1986 (RA:2014)	200	400	mg/l	BLQ(LOQ:1.0)
18.	Iron as Fe, Max	IS: 3025 (Part - 53) : 2003 (RA:2014)	1.0	No relaxation	mg/l	BLQ(LOQ:0.02)

Note : BLQ :Below Limit of Quantification ; LOQ : Limit of Quantification

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S.No	Parameters	Test Method	Specification as per IS 10500 - 2012	Unit	Result
19.	Total Coliform	IS 1622 : 1981 Amd. 4 RA 2014	Shall not be detectable in any 100 ml sample	MPN/100ml	Absent
20.	<i>E.coli</i>	IS 1622 : 1981 Amd. 4 RA 2014	Shall not be detectable in any 100 ml sample	MPN/100ml	Absent

Remarks: The above RO Water sample complies to IS 10500-2012 specification Limit with respect to the above tested parameters.

***** END OF REPORT *****

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V. PRABAKARAN
Deputy Manager
Microbiology

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Test Report No.

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Issued To:

M/s. SFP Sons India Pvt Ltd.,
A-24, MEPZ-Special Economic Zone,
Tambaram, Chennai – 600 045.

Sample Description	: Well Water	Received on	: 01.06.2018
Sample Appearance	: Clear Colourless Liquid	Commenced On	: 01.06.2018
Sample details :-		Completed On	: 05.06.2018
Sample Quantity	: 2 Ltr X 1 No, 100 ml X 1 No	Date of Report	: 05.06.2018
Collection Date	: 01.06.2018		
Sample Location	: -		
Sample Collection	: M/s. Interstellar Testing Centre., Chennai.		
Customer Reference	: Letter Dated : 01.06.2018		
	Test Request Form Dated : 01.06.2018		

S.No	Parameters	Test Method	Specification as per IS 10500 - 2012		Unit	Result
			Acceptable limit	Permissible limit		
1.	Appearance	By Visual Examination	-	-	-	Colourless Clear Liquid
2.	Colour, Max	IS:3025(Part - 4) :1983 (RA:2017)	5	15	Hazen	2
3.	Odour	IS:3025(Part - 5) :1983 (RA:2017)	Agreeable	Agreeable	-	Agreeable
4.	pH @ 25°C	IS:3025(Part - 11) :1983 (RA:2017)	6.5 – 8.5	No relaxation	-	6.61
5.	Taste	IS:3025(Part - 8) :1983 (RA:2017)	Agreeable	Agreeable	-	Agreeable
6.	Turbidity, Max	IS:3025(Part - 10) :1984 (RA:2017)	1	5	NTU	0.1

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Environment Section

S.No	Parameters	Test Method	Specification as per IS 10500 - 2012		Unit	Result
			Acceptable limit	Permissible limit		
7.	Conductivity @ 25°C	IS3025(Part - 14):1984 (Reaff.2013)	-	-	µmhos/cm	863.7
8.	Total Dissolved solids, Max	IS:3025(Part - 16) :1984 (RA:2017)	500	2000	mg/l	480
9.	Total Hardness (as CaCO ₃) , Max	IS:3025 (Part - 21) : 2009 (RA:2014)	200	600	mg/l	242
10.	Carbonate Hardness (as CaCO ₃)	IS:3025 (Part - 21) : 2009 (RA:2014)	-	-	mg/l	151
11.	Non Carbonate Hardness (as CaCO ₃)	IS:3025 (Part - 21) : 2009 (RA:2014)	-	-	mg/l	91
12.	Phenolphthalein Alkalinity (as CaCO ₃)	IS:3025 (Part - 23) : 1986 (RA:2014)	-	-	mg/l	Nil
13.	Total Alkalinity (as CaCO ₃) , Max	IS:3025 (Part - 23) :1986 (RA:2014)	200	600	mg/l	151
14.	Calcium as Ca, Max	IS:3025 (Part - 40) :1991 (RA:2014)	75	200	mg/l	50
15.	Magnesium as Mg, Max	IS:3025 (Part - 46) :1994 (RA:2009)	30	100	mg/l	28
16.	Chloride as Cl, Max	IS:3025 (Part - 32) :1988 (RA:2009)	250	1000	mg/l	77
17.	Sulphate as SO ₄ , Max	IS:3025 (Part - 24) : 1986 (RA:2014)	200	400	mg/l	65
18.	Iron as Fe, Max	IS: 3025 (Part - 53) : 2003 (RA:2014)	1.0	No relaxation	mg/l	BLQ(LOQ:0.02)

Note : BLQ :Below Limit of Quantification ; LOQ : Limit of Quantification

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S.No	Parameters	Test Method	Specification as per IS 10500 - 2012	Unit	Result
19.	Total Coliform	IS 1622 : 1981 Amd. 4 RA 2014	Shall not be detectable in any 100 ml sample	MPN/100ml	Present
20.	<i>E.coli</i>	IS 1622 : 1981 Amd. 4 RA 2014	Shall not be detectable in any 100 ml sample	MPN/100ml	Present

Remarks: The above Well water sample does not comply to IS 10500-2012 specification Limit with respect to the above tested parameters.

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E02-1806010003

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Issued To:

M/s. SFP Sons India Pvt Ltd.,
A-24, MEPZ-Special Economic Zone,
Tambaram, Chennai – 600 045.

Sample Description : MEPZ Water
Sample Appearance : Clear Colourless Liquid
Sample details :-
Sample Quantity : 2 Ltr X 1 No, 100 ml X 1 No
Collection Date : 01.06.2018
Sample Location : -
Sample Collection : M/s. Interstellar Testing Centre., Chennai.
Customer Reference : Letter Dated : 01.06.2018
Test Request Form Dated : 01.06.2018

Received on : 01.06.2018
Commenced On : 01.06.2018
Completed On : 05.06.2018
Date of Report : 05.06.2018

S.No	Parameters	Test Method	Specification as per IS 10500 - 2012		Unit	Result
			Acceptable limit	Permissible limit		
1.	Appearance	By Visual Examination	-	-	-	Colourless Clear Liquid
2.	Colour, Max	IS:3025(Part - 4) :1983 (RA:2017)	5	15	Hazen	2
3.	Odour	IS:3025(Part - 5) :1983 (RA:2017)	Agreeable	Agreeable	-	Agreeable
4.	pH @ 25°C	IS:3025(Part - 11) :1983 (RA:2017)	6.5 – 8.5	No relaxation	-	8.38
5.	Taste	IS:3025(Part - 8) :1983 (RA:2017)	Agreeable	Agreeable	-	Agreeable
6.	Turbidity, Max	IS:3025(Part - 10) :1984 (RA:2017)	1	5	NTU	0.86

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S.No	Parameters	Test Method	Specification as per IS 10500 - 2012		Unit	Result
			Acceptable limit	Permissible limit		
7.	Conductivity @ 25°C	IS3025(Part - 14):1984 (Reaff.2013)	-	-	µmhos/cm	1149
8.	Total Dissolved solids, Max	IS:3025(Part - 16) :1984 (RA:2017)	500	2000	mg/l	652
9.	Total Hardness (as CaCO ₃) , Max	IS:3025 (Part - 21) : 2009 (RA:2014)	200	600	mg/l	240
10.	Carbonate Hardness (as CaCO ₃)	IS:3025 (Part - 21) : 2009 (RA:2014)	-	-	mg/l	221
11.	Non Carbonate Hardness (as CaCO ₃)	IS:3025 (Part - 21) : 2009 (RA:2014)	-	-	mg/l	19
12.	Phenolphthalein Alkalinity (as CaCO ₃)	IS:3025 (Part - 23) : 1986 (RA:2014)	-	-	mg/l	20
13.	Total Alkalinity (as CaCO ₃) , Max	IS:3025 (Part - 23) :1986 (RA:2014)	200	600	mg/l	221
14.	Calcium as Ca, Max	IS:3025 (Part - 40) :1991 (RA:2014)	75	200	mg/l	63
15.	Magnesium as Mg, Max	IS:3025 (Part - 46) :1994 (RA:2009)	30	100	mg/l	20
16.	Chloride as Cl, Max	IS:3025 (Part - 32) :1988 (RA:2009)	250	1000	mg/l	179
17.	Sulphate as SO ₄ , Max	IS:3025 (Part - 24) : 1986 (RA:2014)	200	400	mg/l	73
18.	Iron as Fe, Max	IS: 3025 (Part - 53) : 2003 (RA:2014)	1.0	No relaxation	mg/l	BLQ(LOQ:0.02)

Note : BLQ :Below Limit of Quantification ; LOQ : Limit of Quantification

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S.No	Parameters	Test Method	Specification as per IS 10500 - 2012	Unit	Result
19.	Total Coliform	IS 1622 : 1981 Amd. 4 RA 2014	Shall not be detectable in any 100 ml sample	MPN/100ml	Absent
20.	<i>E.coli</i>	IS 1622 : 1981 Amd. 4 RA 2014	Shall not be detectable in any 100 ml sample	MPN/100ml	Absent

Remarks: The above MEPZ Water sample complies to IS 10500-2012 specification Limit with respect to the above tested parameters.

***** END OF REPORT *****

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