DELHI ANALYTICAL RESEARCH LABORATORY

(A GOVERNMENT APPROVED & ISO 9001 : 2008 CERTIFIED TESTING LABORATORY)

Plot No. 2, Timber Block, Jhilmil Industrial Area, Delhi-110095

NABL Approved & Fssai Approved Laboratory

E-mail : darltesting@gmail.com, info@darltesting.org, Ph. : 011-43545890, 09717324010

ARL

TEST REPORT

REPORT NO.	**820190919M003**	**DATE OF RECEIPT**	**19/09/2019**
ISSUED TO.	**Okaya Power Private Limited** D 7,Udyog Nagar, Main Rohtak Road, Near Peergarhi metro station Delhi, Pincode: 110041 India.	**TEST STARTED ON** **DATE OF REPORTING** **ISSUE OF TEST REPORT**	**19/09/2019** **24/09/2019** **24/09/2019**
SUBMITTED BY.	**Okaya Power Private Limited** D 7,Udyog Nagar, Main Rohtak Road, Near Peergarhi metro station Delhi, Pincode: 110041 India.	**REF.NO.** **SAMPLE QTY.** **Batch No.**	**N.S.** **1 No. Water Purifier** **N.S**
SAMPLE NAME.	**NASAKA Super Connect S1**	**MFG.N.S.**	**EXP.N.S.**

REFERENCE TO PROTOCOL :- **IS:10500-2012**

DESCRIPTION :- **One sample of "NASAKA Super Connect S1" submitted by party on Dated – 19/09/2019.**

SN	PARAMETER	RESULT		Requirements		TEST METHOD
		Input water	NASAKA Super Connect S1	Desirable Limit	Permissible Limit	
1.	Colour,(In Hazen Unit),Max	09	Less than 1	5	15	IS:3025(P-4)
2.	Turbidity, NTU,Max	14	Less than 1	1	5	IS:3025(P-10)
3.	pH value	8.43	7.36	6.5 to 8.5	No Relaxation	IS:3025(P-11)
4.	Total dissolved solid ,mg/L,Max	1904	158	500	2000	IS:3025(P-16)
5.	Total Hardness (As $CaCO_3$),mg/L,Max	869.4	63.3	200	600	IS:3025(P-21)
6.	Iron(As Fe),mg/L,Max	94	BDL (MDL – 0.1)	1.0	No Relaxation	IS:3025(P-53)
7.	Chloride (As Cl),mg/L,Max	1422	73.5	250	1000	IS:3025(P-32)
8.	Residual free Chlorine ,mg/L,Min	0.78	BDL (MDL – 0.1)	0.2	1	IS:3026(P-26)
9.	Fluoride (As F),mg/L,Max	1.72	Less than1	1.0	1.5	IS:3025(P-60)
10.	Calcium(as Ca),mg/L,Max	171.7	6.7	75	200	IS:3025(P-40)
11.	Magnesium (As Mg) ,mg/L,Max	103	13.3	30	100	IS:3025(P-46)
12.	Nitrate (As No_3), mg/L,Max	22	BDL (MDL – 0.5)	45	No Relaxation	IS:3025(P-34)
13.	Phenolic Compound (As C_6H_5OH),mg/L,Max	0.012	BDL (MDL – 0.001)	0.001	0.002	IS:3025(P-43)
14.	Mercury (As Hg) ,mg/L,Max	0.014	BDL (MDL-0.001)	0.001	No Relaxation	IS: 3025(P-48)

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15.	Cadmium(As Cd) ,mg/L,Max	0.02	BDL (MDL – 0.002)	0.003	No Relaxation	IS:3025(P-41)
16.	Selenium (As Se) ,mg/L,max	0.98	BDL (MDL – 0.01)	0.01	No Relaxation	IS:3025(P-56)
17.	Total Arsenic (as As) ,mg/L,Max	0.92	BDL (MDL – 0.01)	0.01	No Relaxation	IS:3025(P-37)
18.	Cyanide (As CN),mg/L,Max	0.46	BDL (MDL – 0.01)	0.05	No Relaxation	IS:3025(P-27)
19.	Lead (As Pb) ,mg/L,Max	0.12	BDL (MDL – 0.01)	0.01	No Relaxation	IS:3025(P-47)
20.	Zinc(As Zn),mg/L,Max	7.42	BDL (MDL 0.1)	5.0	15	IS:3025(P-49)
21.	Anionic detergents (As MBAS),mg/L,Max	1.62	BDL (MDL – 0.05)	0.2	1.0	Annex.K IS:13428:2005
22.	Hexavalent chromium (as Cr^{+6}), mg/L	0.27	BDL (MDL – 0.05)	---	----	APHA 23rd Edition
23.	Mineral Oil,mg/L,Max	0.98	BDL (MDL – 0.2)	0.5	No Relaxation	IS:3025(P-39)
24.	Total Alkalinity (As $CaCO_3$),mg/L,Max	216	43.1	200	600	IS:3025(P-23)
25.	Copper(As Cu),mg/L,Max	0.35	BDL (MDL – 0.01)	0.05	1.5	IS:3025(P-42)
26.	Manganese(As Mn) ,mg/L,Max	0.88	BDL (MDL – 0.1)	0.1	0.3	IS:3025(P-59)
27.	Sulphate (As SO_4),mg/L,Max	48	7.28	200	400	IS:3025(P-24)
28.	Aluminium (As Al) ,mg/L,Max	0.23	BDL (MDL – 0.01)	0.03	0.2	IS:3025(P-55)
29.	Boron.(as B),mg/L,Max	7.24	BDL (MDL – 0. 2)	0.5	1.0	IS:3025(P-57)

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Pesticide Residues :-

1	Alachor,µg/L,Max	0.1	BDL (MDL -0.05)	20	-	507.USEPA
2	Atrazine, µg/L, Max	0.99	BDL (MDL -0.05)	2	-	8141A USEPA2
3	Aldrin/Dieldrin, µg/L,Max	0.85	BDL (MDL -0.01)	0.03	-	USEPA 508
4	Alpha-HCH, µg/L,Max	0.93	BDL (MDL -0.01)	0.01	-	USEPA – 508
5	Beta-HCH, µg/L,Max	0.85	BDL (MDL -0.01)	0.04	-	USEPA – 508
6	Butachlor, µg/L,Max	0.69	BDL (MDL -0.05)	125	- -	8141A USEPA
7	Chloropyriphos , µg/L,Max	0.81	BDL (MDL -0.05)	30	-	8141A USEPA
8	2,4,D, µg/L,Max	0.73	BDL (MDL -0.05)	30	-	515.1 USEPA
9	O.P-DDT, µg/L,Max	0.95	BDL (MDL -0.05)	1	-	AOAC 990-06
10	p.p-DDT, µg/L,Max	0.85	BDL (MDL -0.05)	1	-	AOAC 990-06
11	o.p-DDE, µg/L,Max	0.83	BDL (MDL -0.05)	1	-	AOAC 990-06
12	p.p-DDE, µg/L,Max	0.95	BDL (MDL -0.05)	1	-	AOAC 990-06
13	o.p-DDD, µg/L,Max	0.93	BDL (MDL -0.05)	1	-	AOAC 990-06
14	p.p-DDD, µg/L,Max	0.83	BDL (MDL -0.05)	1	-	AOAC 990-06

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15	Alpha Endosulphane , µg/L,Max	0.69	BDL (MDL -0.05)	0.4	-	AOAC 990-06
16	Beta Endosulphane , µg/L,Max	0.85	BDL (MDL -0.05)	0.4	-	AOAC 990-06
17	Endosuphane Sulphate, µg/L,Max	0.59	BDL (MDL -0.05)	0.4	-	AOAC 990-06
18	Ethion, µg/L,Max	0.83	BDL (MDL -0.05)	3.0	-	USEPA-1657A
19	Gamma-HCH (Lindane) , µg/L,Max	0.95	BDL (MDL -0.05)	2	-	AOAC 990.06
20	Isoproturon, µg/L,Max	0.86	BDL (MDL -0.05)	9	-	532.USEPA
21	Malathion, µg/L,Max	0.45	BDL (MDL -0.05)	190	09	8141A USEPA
22	Methyl Parathion, µg/L,Max	0.69	BDL (MDL -0.05)	0.3	-	8141A USEPA
23	Monocrotophos, µg/L,Max	0.77	BDL (MDL -0.05)	1	-	8141A USEPA
24	Phorate, µg/L,Max	0.69	BDL (MDL -0.05)	2	-	8141A USEPA
Bacteriological Quality of Drinking water						
1	E. coli	Present/100ml	Absent/100 ml	Absent/100 ml	-	IS:15185:2016
2	Coliform	Present/100ml	Absent/100 ml	Absent/100 ml	-	IS:15185:2016

BDL – Below Detection Limit
MDL- Minimum Detection Limit

REPORT REMARK: The above tested sample complies as per IS: 10500 -2012.

Authorized Signatory

Dr. PRIYANKA MISHRA

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