



Test Report

Sample Number:	VEL /GW/01	Report No.:	VEL/W/2508210001
Name & Address of Party:	M/s Chambal Fertilizers & Chemical Ltd P.O- Gadepan, Kota, Rajasthan	Format No.:	7.8 F 03
		Party Reference No.:	Nil
		Reporting Date:	29/08/2025
Sample Description:	Ground Water	Period of Analysis:	21/08/2025 to 29/08/2025
Sampling Location:	Village- Pachera	Receipt Date:	21/08/2025
Sample Collected by	Vardan Envirolab Representative	Sampling Date:	19/08/2025
Preservation:	Refrigerated.	Sampling Type:	Grab
Sampling & Analysis Protocol:	IS-10500-2012	Sample Quantity:	5.0 Ltr.

TEST RESULTS

S. No.	Parameter	Test-Method	Result	Unit	Limits of IS:10500 -2012	
					Desirable limit (Max.)	Permissible limit in the Absence of Alternate Source (Max.)
1.	pH (at 25 °C)	IS 3025 (Part 11):2022 (Using by Electrode)	7.53	--	6.5 to 8.5	No Relaxation
2.	Total Dissolved Solids	IS:3025:P-16: 2023(Gravimetric Method)	772.0	mg/l	500	2000
3.	Alkalinity as CaCO ₃	IS:3025:Part 23:2023(Indicator Method)	164.18	mg/l	200	600
4.	Total Hardness as CaCO ₃	IS 3025:P-21:2009(EDTA Method)	537.32	mg/l	200	600
5.	Nitrate as NO ₃	APHA 24th Edition: 2023, 4500 NO3. B Screening Method	28.65	mg/l	45	No Relaxation
6.	Chloride as Cl	IS:3025:Part 32:1988 (Argentometric Method)	281.90	mg/l	250	1000
7.	Sulphate as SO ₄	IS:3025(Part 24/Sec-1):2022 (Turbidity Method)	265.89	mg/l	200	400
8.	Calcium as Ca	IS: 3025:P-40: 1991(EDTA Titrimetric Method)	140.87	mg/l	75	200
9.	Fluoride as F	APHA 4500 F-D: 24 th Edition : 2023 (SPADNS Method)	0.44	mg/l	1.0	1.5
10.	Iron as Fe	VEL/W/STP/03, Issue No. -01, Issue date- 01/11/2023:2023	0.01	mg/l	0.3	No relaxation
11.	Arsenic as As	VEL/W/STP/03, Issue No. -01, Issue date- 01/11/2023:2023	BLQ(**LOQ 0.002)	mg/l	0.01	0.05
12.	Mercury as Hg	VEL/W/STP/03, Issue No. -01, Issue date- 01/11/2023:2023	BLQ(**LOQ 0.0005)	mg/l	0.001	No relaxation
13.	Lead as Pb	VEL/W/STP/03, Issue No. -01, Issue date- 01/11/2023:2023	BLQ(**LOQ 0.002)	mg/l	0.01	No relaxation
14.	Cadmium (as Cd)	VEL/W/STP/03, Issue No. -01, Issue date- 01/11/2023:2023	BLQ(**LOQ 0.002)	mg/l	0.003	No relaxation

Page No. 01 of 03

Terms & Conditions

- The results reported relate only to the sample submitted. In case sample is not drawn the results apply to the sample as received.
- This test report in full or in part shall not be introduced in any court of law without prior written approval of the laboratory.
- To confirm the authenticity of this certificate or analysis, please contact us through email at environment@vardan.co.in
- Laboratory is not responsible for the authenticity of photocopied test report. The test samples will be retained only for specific period
- The report no. with Suffix A-Artended Report
- This test report will not be used for publicity or advertising or media purpose without prior written permission on the laboratory.
- Giving opinions does not imply endorsement of the tested sample by the lab. Under no circumstances, the lab accepts any liability caused by the use or misuse of the test report.

(Authorized Signatory)
29/08/2025
www.vardan.co.in



Test Report

Sample No.: VEL /GW/01					Report No.: VEL/W/2508210001	
S. No.	Parameter	Test-Method	Result	Unit	Limits of IS:10500 -2012	
					Desirable limit (Max.)	Permissible limit in the Absence of Alternate Source (Max.)
15.	Boron as B	VEL/W/STP/03, Issue No. -01, Issue date-01/11/2023:2023	BLQ(**LOQ 0.01)	mg/l	0.5	2.4
16.	Total Chromium	VEL/W/STP/03, Issue No. -01, Issue date-01/11/2023:2023	BLQ(**LOQ 0.002)	mg/l	0.05	No relaxation
17.	Copper as Cu	VEL/W/STP/03, Issue No. -01, Issue date-01/11/2023:2023	BLQ(**LOQ 0.002)	mg/l	0.05	1.5
18.	Zinc as Zn	VEL/W/STP/03, Issue No. -01, Issue date-01/11/2023:2023	BLQ(**LOQ 0.01)	mg/l	5	15
19.	Selenium as Se	VEL/W/STP/03, Issue No. -01, Issue date-01/11/2023:2023	BLQ(**LOQ 0.001)	mg/l	0.01	No relaxation
20.	Turbidity	IS: 3025 (P-10)	BLQ(**LOQ 1.0)	NTU	1	5
21.	Aluminium as Al	VEL/W/STP/03, Issue No. -01, Issue date-01/11/2023:2023	BLQ(**LOQ 0.002)	mg/l	0.03	0.2
22.	Manganese as Mn	VEL/W/STP/03, Issue No. -01, Issue date-01/11/2023:2023	BLQ(**LOQ 0.01)	mg/l	0.1	0.3
23.	Oil & Grease	IS: 3025(P-39):2021(Gravimetric Method)	BLQ(**LOQ 0.4)	mg/l	NA	NA
24.	Residual free Chlorine	IS:3025:P-26:2021 (Colorimetric Method using)	BLQ(**LOQ 0.15)	mg/l	0.2	1
25.	Cyanide as CN	IS:3025(P-27/Sec1):2021(Pyridine Barbituric Acid Method)	*BLQ(**LOQ 0.02)	mg/l	0.05	No relaxation
26.	Colour	IS:3025 (Part-4) :2021 (Visual Comparison Method)	*BLQ(**LOQ 1.0)	Hazen	5	15
27.	Odour	IS:3025 Part-5: 2018	Agreeable	--	Agreeable	Agreeable
28.	Taste	IS:3025:Part-8:2023	Agreeable	--	Agreeable	Agreeable
29.	Anionic Detergents as MBAS	IS:3025:P-68:2019 (Methylene Blue Method)	*BLQ(**LOQ 0.05)	mg/l	0.2	1.0
30.	Phenolic Compounds	IS:3025 (Part-43/Sec-1):2022 (Without Chloroform extraction)	*BLQ(**LOQ 0.0004)	mg/l	0.001	0.002
31.	P.P.-DDT or 4,4-DDT	VEL/STP/W-01, Issue No. - 01, 01/11/2021	BLQ(**LOQ 0.01)	µg/l	--	1
32.	Alachlor	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	20
33.	Atrazine	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	2
34.	Aldrin	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	0.03
35.	Alpha HCH	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	0.01
36.	Beta HCH	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	0.04
37.	Delta HCH	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	0.04

Page No. 02 of 03

Terms & Conditions

- The results reported relate only to the samples tested. In case sample is not drawn the results apply to the sample as received.
- This test report in full or in part shall not be reproduced in any court of law without prior written approval of the laboratory.
- To confirm the authenticity of the certificate of analysis, please contact us through email at environment@vardan.co.in
- Laboratory is not responsible for the authenticity of photocopied test report. The test samples will be retained only for specific period
- The report no. with Suffix A-Amended Report.
- This test report will not be used for publicity or advertising or media purpose without prior written permission on the laboratory.
- Giving opinions does not imply endorsement of the tested sample by the lab. Under no circumstances, the lab accepts any liability caused by the use or misuse of the test report.

Dr. Shiv Prakash
(Authorized Signatory)
29/08/2023
Authorized Signatory

www.vardan.co.in



Test Report

Sample No.: VEL /GW/01			Report No.: VEL/W/2508210001			
S. No.	Parameter	Test-Method	Result	Unit	Limits of IS:10500 -2012	
					Desirable limit (Max.)	Permissible limit in the Absence of Alternate Source (Max.)
38.	Endosulfan (alpha, beta and sulphate)	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	0.4
39.	Gamma-HCH	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	2
40.	Malathion	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	190
41.	Methyl Parathion	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	0.3
42.	2,4, Dichlorophenoxyacetic acid	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	30
43.	Ethion	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	3
44.	Isoproturon	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	9
45.	Monochrotophos	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	1
46.	Phorate	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	2
47.	Buta chlor	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	125
48.	Chlorpyrifos	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	0.0005	30

Note:- *BLQ -Below Limit of Quantification, **LOQ- Limit of Quantification. STP- Standard Testing Procedure

End of Report

Page No. 03 of 03

Terms & Conditions

- The results reported relate only to the samples tested. In case sample is not drawn the results apply to the sample as received.
- This test report in full or in part shall not be reproduced in any court of law without prior written approval of the laboratory.
- To confirm the authenticity of this certificate of analysis, please contact us through email at environment@vardan.co.in
- Laboratory is not responsible for the authenticity of photocopied test report. The test samples will be retained only for specific period
- The report no. with Suffix A-Amended Report.
- This test report will not be used for publicity or advertising or media purpose without prior written permission on the laboratory.
- Giving opinions does not imply endorsement of the tested sample by the lab. Under no circumstances, the lab accepts any liability caused by the use or misuse of the test report.

(Authorized Signatory)
29/10/2023
www.vardan.co.in



Test Report

Sample Number: VEL/GW/02
Name & Address of Party: M/s Chambal Fertilizers & Chemical Ltd
P.O- Gadepan, Kota, Rajasthan

Report No.: VEL/W/2508210002
Format No.: 7.8 F 03
Party Reference No.: Nil
Reporting Date: 29/08/2025
Period of Analysis: 21/08/2025 to 29/08/2025
Receipt Date: 21/08/2025
Sampling Date: 19/08/2025
Sampling Type: Grab
Sample Quantity: 5.0 Ltr.

Sample Description: Ground Water
Sampling Location: Village- Pachera ki Jhopari
Sample Collected by: Vardan Envirolab Representative
Preservation: Refrigerated
Sampling & Analysis Protocol: IS-10500-2012

TEST RESULTS

S. No.	Parameter	Test-Method	Result	Unit	Limits of IS:10500 -2012	
					Desirable limit (Max.)	Permissible limit in the Absence of Alternate Source (Max.)
1.	pH (at 25 °C)	IS 3025 (Part 11):2022 (Using by Electrode)	7.63	--	6.5 to 8.5	No Relaxation
2.	Total Dissolved Solids	IS:3025:P-16: 2023(Gravimetric Method)	466.0	mg/l	500	2000
3.	Alkalinity as CaCO ₃	IS:3025:Part 23:2023(Indicator Method)	134.33	mg/l	200	600
4.	Total Hardness as CaCO ₃	IS 3025:P-21:2009(EDTA Method)	290.88	mg/l	200	600
5.	Nitrate as NO ₃	APHA 24th Edition :2023,4500 NO3. B Screening Method	18.11	mg/l	45	No Relaxation
6.	Chloride as Cl	IS:3025:Part 32:1988 (Argentometric Method)	146.90	mg/l	250	1000
7.	Sulphate as SO ₄	IS:3025(Part 24/Sec-1):2022 (Turbidity Method)	152.54	mg/l	200	400
8.	Calcium as Ca	IS: 3025:P-40: 1991(EDTA Titrimetric Method)	69.63	mg/l	75	200
9.	Fluoride as F	APHA 4500 F-D: 24 th Edition : 2023 (SPADNS Method)	0.24	mg/l	1.0	1.5
10.	Iron as Fe	VEL/W/STP/03, Issue No. -01, Issue date- 01/11/2023:2023	0.12	mg/l	0.3	No relaxation
11.	Arsenic as As	VEL/W/STP/03, Issue No. -01, Issue date- 01/11/2023:2023	BLQ(**LOQ 0.002)	mg/l	0.01	0.05
12.	Mercury as Hg	VEL/W/STP/03, Issue No. -01, Issue date- 01/11/2023:2023	BLQ(**LOQ 0.0005)	mg/l	0.001	No relaxation
13.	Lead as Pb	VEL/W/STP/03, Issue No. -01, Issue date- 01/11/2023:2023	BLQ(**LOQ 0.002)	mg/l	0.01	No relaxation
14.	Cadmium (as Cd)	VEL/W/STP/03, Issue No. -01, Issue date- 01/11/2023:2023	BLQ(**LOQ 0.002)	mg/l	0.003	No relaxation

Page No. 01 of 03



Terms & Conditions

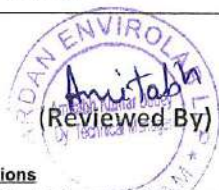
- The results reported relate only to the samples tested. In case sample is not drawn the results apply to the sample as received.
- This test report in full or in part, shall not be reproduced in any court of law without prior written approval of the laboratory.
- To confirm the authenticity of this certificate of analysis, please contact us through email at environment@vardan.co.in
- Laboratory is not responsible for the authenticity of photocopied test report. The test samples will be retained only for specific period
- The report no. with Suffix A-Amended Report.
- This test report will not be used for publicity or advertising or media purpose without prior written permission on the laboratory.
- Giving opinions does not imply endorsement of the tested sample by the lab. Under no circumstances, the lab accepts any liability caused by the use or misuse of the test report.

www.vardan.co.in



Test Report

Sample No.: VEL /GW/02			Report No.: VEL/W/2508210002			
S. No.	Parameter	Test-Method	Result	Unit	Limits of IS:10500 -2012	
					Desirable limit (Max.)	Permissible limit in the Absence of Alternate Source (Max.)
15.	Boron as B	VEL/W/STP/03, Issue No. -01, Issue date-01/11/2023:2023	BLQ(**LOQ 0.01)	mg/l	0.5	2.4
16.	Total Chromium	VEL/W/STP/03, Issue No. -01, Issue date-01/11/2023:2023	BLQ(**LOQ 0.002)	mg/l	0.05	No relaxation
17.	Copper as Cu	VEL/W/STP/03, Issue No. -01, Issue date-01/11/2023:2023	BLQ(**LOQ 0.002)	mg/l	0.05	1.5
18.	Zinc as Zn	VEL/W/STP/03, Issue No. -01, Issue date-01/11/2023:2023	BLQ(**LOQ 0.01)	mg/l	5	15
19.	Selenium as Se	VEL/W/STP/03, Issue No. -01, Issue date-01/11/2023:2023	BLQ(**LOQ 0.001)	mg/l	0.01	No relaxation
20.	Turbidity	IS: 3025 (P-10)	BLQ(**LOQ 1.0)	NTU	1	5
21.	Aluminium as Al	VEL/W/STP/03, Issue No. -01, Issue date-01/11/2023:2023	BLQ(**LOQ 0.002)	mg/l	0.03	0.2
22.	Manganese as Mn	VEL/W/STP/03, Issue No. -01, Issue date-01/11/2023:2023	BLQ(**LOQ 0.01)	mg/l	0.1	0.3
23.	Oil & Grease	IS: 3025(P-39):2021(Gravimetric Method)	BLQ(**LOQ 0.4)	mg/l	NA	NA
24.	Residual free Chlorine	IS:3025:P-26:2021 (Colorimetric Method using)	BLQ(**LOQ 0.15)	mg/l	0.2	1
25.	Cyanide as CN	IS:3025(P-27/Sec I):2021(Pyridine Barbituric Acid Method)	*BLQ(**LOQ 0.02)	mg/l	0.05	No relaxation
26.	Colour	IS:3025 (Part-4) :2021 (Visual Comparison Method)	*BLQ(**LOQ 1.0)	Hazen	5	15
27.	Odour	IS:3025 Part-5: 2018	Agreeable	--	Agreeable	Agreeable
28.	Taste	IS:3025:Part-8:2023	Agreeable	--	Agreeable	Agreeable
29.	Anionic Detergents as MBAS	IS:3025:P-68:2019 (Methylene Blue Method)	*BLQ(**LOQ 0.05)	mg/l	0.2	1.0
30.	Phenolic Compounds	IS:3025 (Part-43/Sec-1):2022 (Without Chloroform extraction)	*BLQ(**LOQ 0.0004)	mg/l	0.001	0.002
31.	P.P.-DDT or 4,4-DDT	VEL/STP/W-01, Issue No. - 01, 01/11/2021	BLQ(**LOQ 0.01)	µg/l	--	1
32.	Alachlor	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	20
33.	Atrazine	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	2
34.	Aldrin	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	0.03
35.	Alpha HCH	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	0.01
36.	Beta HCH	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	0.04
37.	Delta HCH	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	0.04



Terms & Conditions

- The results reported relate only to the samples tested. In case sample is not drawn the results apply to the sample as received.
- This test report in full or in part, shall not be reproduced in any court of law without prior written approval of the laboratory.
- To confirm the authenticity of this certificate of analysis, please contact us through email at environment@vardan.co.in
- Laboratory is not responsible for the authenticity of photocopied test report. The test samples will be retained only for specific period
- The report no. with Suffix A-Amended Report.
- This test report will not be used for publicity or advertising or media purpose without prior written permission on the laboratory.
- Giving opinions does not imply endorsement of the tested sample by the lab. Under no circumstances, the lab accepts any liability caused by the use or misuse of the test report.



Test Report

Sample No.: VEL /GW/02					Report No.: VEL/W/2508210002	
S. No.	Parameter	Test-Method	Result	Unit	Limits of IS:10500 -2012	
					Desirable limit (Max.)	Permissible limit in the Absence of Alternate Source (Max.)
38.	Endosulfan (alpha, beta and sulphate)	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	0.4
39.	Gamma-HCH	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	2
40.	Malathion	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	190
41.	Methyl Parathion	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	0.3
42.	2,4, Dichlorophenoxyacetic acid	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	30
43.	Ethion	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	3
44.	Isoproturon	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	9
45.	Monochrotophos	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	1
46.	Phorate	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	2
47.	Buta chlor	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	125
48.	Chlorpyriphos	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	0.0005	30

Note:- *BLQ -Below Limit of Quantification, **LOQ- Limit of Quantification. STP- Standard Testing Procedure
End of Report

Page No. 03 of 03



Terms & Conditions

- The results reported relate only to the samples tested. In case sample is not drawn the results apply to the sample as received.
- This test report in full or in part, shall not be reproduced in any court of law without prior written approval of the laboratory.
- To confirm the authenticity of this certificate of analysis, please contact us through email at environment@vardan.co.in
- Laboratory is not responsible for the authenticity of photocopied test report. The test samples will be retained only for specific period
- The report no. with Suffix A-Amended Report.
- This test report will not be used for publicity or advertising or media purpose without prior written permission on the laboratory.
- Giving opinions does not imply endorsement of the tested sample by the lab. Under no circumstances, the lab accepts any liability caused by the use or misuse of the test report.

www.vardan.co.in



Test Report

Sample Number: VEL /GW/03
Name & Address of Party: M/s Chambal Fertilizers & Chemical Ltd
P.O- Gadepan, Kota, Rajasthan

Report No.: VEL/W/2508210003
Format No.: 7.8 F 03
Party Reference No.: Nil
Reporting Date: 29/08/2025
Period of Analysis: 21/08/2025 to 29/08/2025
Receipt Date: 21/08/2025
Sampling Date: 19/08/2025
Sampling Type: Grab
Sample Quantity: 5.0 Ltr.

Sample Description: Ground Water
Sampling Location: Village- Gadepan
Sample Collected by: Vardan Envirolab Representative
Preservation: Refrigerated.
Sampling & Analysis Protocol: IS-10500-2012

TEST RESULTS

S. No.	Parameter	Test-Method	Result	Unit	Limits of IS:10500 -2012	
					Desirable limit (Max.)	Permissible limit in the Absence of Alternate Source (Max.)
1.	pH (at 25 °C)	IS 3025 (Part 11):2022 (Using by Electrode)	7.77	--	6.5 to 8.5	No Relaxation
2.	Total Dissolved Solids	IS:3025:P-16: 2023(Gravimetric Method)	511.0	mg/l	500	2000
3.	Alkalinity as CaCO ₃	IS:3025:Part 23:2023(Indicator Method)	199.0	mg/l	200	600
4.	Total Hardness as CaCO ₃	IS 3025:P-21:2009(EDTA Method)	298.96	mg/l	200	600
5.	Nitrate as NO ₃	APHA 24th Edition: 2023, 4500 NO ₃ . B Screening Method	22.75	mg/l	45	No Relaxation
6.	Chloride as Cl	IS:3025:Part 32:1988 (Argentometric Method)	134.99	mg/l	250	1000
7.	Sulphate as SO ₄	IS:3025(Part 24/Sec-1):2022 (Turbidity Method)	112.82	mg/l	200	400
8.	Calcium as Ca	IS: 3025:P-40: 1991(EDTA Titrimetric Method)	69.63	mg/l	75	200
9.	Fluoride as F	APHA 4500 F-D: 24 th Edition : 2023 (SPADNS Method)	0.62	mg/l	1.0	1.5
10.	Iron as Fe	VEL/W/STP/03, Issue No. -01, Issue date- 01/11/2023:2023	0.06	mg/l	0.3	No relaxation
11.	Arsenic as As	VEL/W/STP/03, Issue No. -01, Issue date- 01/11/2023:2023	BLQ(**LOQ 0.002)	mg/l	0.01	0.05
12.	Mercury as Hg	VEL/W/STP/03, Issue No. -01, Issue date- 01/11/2023:2023	BLQ(**LOQ 0.0005)	mg/l	0.001	No relaxation
13.	Lead as Pb	VEL/W/STP/03, Issue No. -01, Issue date- 01/11/2023:2023	BLQ(**LOQ 0.002)	mg/l	0.01	No relaxation
14.	Cadmium (as Cd)	VEL/W/STP/03, Issue No. -01, Issue date- 01/11/2023:2023	BLQ(**LOQ 0.002)	mg/l	0.003	No relaxation

Page No. 01 of 03



Terms & Conditions

- The results reported relate only to the samples tested. In case sample is not drawn the results apply to the sample as received.
- This test report in full or in part, shall not be reproduced in any court of law without prior written approval of the laboratory.
- To confirm the authenticity of this certificate of analysis, please contact us through email at environment@vardan.co.in
- Laboratory is not responsible for the authenticity of photocopied test report. The test samples will be retained only for specific period
- The report no. with Suffix A-Amended Report.
- This test report will not be used for publicity or advertising or media purpose without prior written permission on the laboratory.
- Giving opinions does not imply endorsement of the tested sample by the lab. Under no circumstances, the lab accepts any liability caused by the use or misuse of the test report.



www.vardan.co.in



Test Report

Sample No.: VEL /GW/03					Report No.: VEL/W/2508210003	
S. No.	Parameter	Test-Method	Result	Unit	Limits of IS:10500 -2012	
					Desirable limit (Max.)	Permissible limit in the Absence of Alternate Source (Max.)
15.	Boron as B	VEL/W/STP/03, Issue No. -01, Issue date-01/11/2023:2023	BLQ(**LOQ 0.01)	mg/l	0.5	2.4
16.	Total Chromium	VEL/W/STP/03, Issue No. -01, Issue date-01/11/2023:2023	BLQ(**LOQ 0.002)	mg/l	0.05	No relaxation
17.	Copper as Cu	VEL/W/STP/03, Issue No. -01, Issue date-01/11/2023:2023	BLQ(**LOQ 0.002)	mg/l	0.05	1.5
18.	Zinc as Zn	VEL/W/STP/03, Issue No. -01, Issue date-01/11/2023:2023	BLQ(**LOQ 0.01)	mg/l	5	15
19.	Selenium as Se	VEL/W/STP/03, Issue No. -01, Issue date-01/11/2023:2023	BLQ(**LOQ 0.001)	mg/l	0.01	No relaxation
20.	Turbidity	IS: 3025 (P-10)	BLQ(**LOQ 1.0)	NTU	1	5
21.	Aluminium as Al	VEL/W/STP/03, Issue No. -01, Issue date-01/11/2023:2023	BLQ(**LOQ 0.002)	mg/l	0.03	0.2
22.	Manganese as Mn	VEL/W/STP/03, Issue No. -01, Issue date-01/11/2023:2023	BLQ(**LOQ 0.01)	mg/l	0.1	0.3
23.	Oil & Grease	IS: 3025(P-39):2021(Gravimetric Method)	BLQ(**LOQ 0.4)	mg/l	NA	NA
24.	Residual free Chlorine	IS:3025:P-26:2021 (Colorimetric Method using)	BLQ(**LOQ 0.15)	mg/l	0.2	1
25.	Cyanide as CN	IS:3025(P-27/Sec1):2021(Pyridine Barbituric Acid Method)	*BLQ(**LOQ 0.02)	mg/l	0.05	No relaxation
26.	Colour	IS:3025 (Part-4) :2021 (Visual Comparison Method)	*BLQ(**LOQ 1.0)	Hazen	5	15
27.	Odour	IS:3025 Part-5: 2018	Agreeable	--	Agreeable	Agreeable
28.	Taste	IS:3025:Part-8:2023	Agreeable	--	Agreeable	Agreeable
29.	Anionic Detergents as MBAS	IS:3025:P-68:2019 (Methylene Blue Method)	*BLQ(**LOQ 0.05)	mg/l	0.2	1.0
30.	Phenolic Compounds	IS:3025 (Part-43/Sec-1):2022 (Without Chloroform extraction)	*BLQ(**LOQ 0.0004)	mg/l	0.001	0.002
31.	P.P.-DDT or 4,4-DDT	VEL/STP/W-01, Issue No. - 01, 01/11/2021	BLQ(**LOQ 0.01)	µg/l	--	1
32.	Alachlor	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	20
33.	Atrazine	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	2
34.	Aldrin	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	0.03
35.	Alpha HCH	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	0.01
36.	Beta HCH	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	0.04
37.	Delta HCH	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	0.04

Page No. 02 of 03



Terms & Conditions

- The results reported relate only to the samples tested. In case sample is not drawn the results apply to the sample as received.
- This test report in full or in part, shall not be reproduced in any court of law without prior written approval of the laboratory.
- To confirm the authenticity of this certificate of analysis, please contact us through email at environment@vardan.co.in
- Laboratory is not responsible for the authenticity of photocopied test report. The test samples will be retained only for specific period
- The report no. with Suffix A-Amended Report.
- This test report will not be used for publicity or advertising or media purpose without prior written permission on the laboratory.
- Giving opinions does not imply endorsement of the tested sample by the lab. Under no circumstances, the lab accepts any liability caused by the use or misuse of the test report.



www.vardan.co.in



Test Report

Sample No.: VEL /GW/03			Report No.: VEL/W/2508210003			
S. No.	Parameter	Test-Method	Result	Unit	Limits of IS:10500 -2012	
					Desirable limit (Max.)	Permissible limit in the Absence of Alternate Source (Max.)
38.	Endosulfan (alpha, beta and sulphate)	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	0.4
39.	Gamma-HCH	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	2
40.	Malathion	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	190
41.	Methyl Parathion	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	0.3
42.	2,4, Dichlorophenoxyacetic acid	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	30
43.	Ethion	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	3
44.	Isoproturon	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	9
45.	Monochrotophos	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	1
46.	Phorate	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	2
47.	Buta chlor	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	125
48.	Chlorpyriphos	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	0.0005	30

Note:- *BLQ -Below Limit of Quantification, **LOQ- Limit of Quantification. STP- Standard Testing Procedure
End of Report

Page No. 03 of 03



Terms & Conditions

- The results reported relate only to the samples tested. In case sample is not drawn the results apply to the sample as received.
- This test report in full or in part, shall not be reproduced in any court of law without prior written approval of the laboratory.
- To confirm the authenticity of this certificate of analysis, please contact us through email at environment@vardan.co.in
- Laboratory is not responsible for the authenticity of photocopied test report. The test samples will be retained only for specific period
- The report no. with Suffix A-Amended Report.
- This test report will not be used for publicity or advertising or media purpose without prior written permission on the laboratory.
- Giving opinions does not imply endorsement of the tested sample by the lab. Under no circumstances, the lab accepts any liability caused by the use or misuse of the test report.



www.vardan.co.in



Test Report

Sample Number:	VEL /GW/04	Report No.:	VEL/W/2508210004
Name & Address of Party:	M/s Chambal Fertilizers & Chemical Ltd P.O- Gadepan, Kota, Rajasthan	Format No.:	7.8 F 03
		Party Reference No.:	Nil
		Reporting Date:	29/08/2025
		Period of Analysis:	21/08/2025 to 29/08/2025
Sample Description:	Ground Water	Receipt Date:	21/08/2025
Sampling Location:	Village- Ruggi	Sampling Date:	19/08/2025
Sample Collected by	Vardan Envirolab Representative	Sampling Type:	Grab
Preservation:	Refrigerated	Sample Quantity:	5.0 Ltr.
Sampling & Analysis Protocol:	IS-10500-2012		

TEST RESULTS

S. No.	Parameter	Test-Method	Result	Unit	Limits of IS:10500 -2012	
					Desirable limit (Max.)	Permissible limit in the Absence of Alternate Source (Max.)
1.	pH (at 25 °C)	IS 3025 (Part 11):2022 (Using by Electrode)	8.06	--	6.5 to 8.5	No Relaxation
2.	Total Dissolved Solids	IS:3025:P-16: 2023(Gravimetric Method)	567.0	mg/l	500	2000
3.	Alkalinity as CaCO ₃	IS:3025:Part 23:2023(Indicator Method)	223.88	mg/l	200	600
4.	Total Hardness as CaCO ₃	IS 3025:P-21:2009(EDTA Method)	379.76	mg/l	200	600
5.	Nitrate as NO ₃	APHA 24th Edition: 2023, 4500 NO ₃ . B Screening Method	27.50	mg/l	45	No Relaxation
6.	Chloride as Cl	IS:3025:Part 32:1988 (Argentometric Method)	152.86	mg/l	250	1000
7.	Sulphate as SO ₄	IS:3025(Part 24/Sec-I):2022 (Turbidity Method)	157.31	mg/l	200	400
8.	Calcium as Ca	IS: 3025:P-40: 1991(EDTA Titrimetric Method)	89.06	mg/l	75	200
9.	Fluoride as F	APHA 4500 F-D: 24 th Edition : 2023 (SPADNS Method)	0.71	mg/l	1.0	1.5
10.	Iron as Fe	VEL/W/STP/03, Issue No. -01, Issue date- 01/11/2023:2023	0.10	mg/l	0.3	No relaxation
11.	Arsenic as As	VEL/W/STP/03, Issue No. -01, Issue date- 01/11/2023:2023	BLQ(**LOQ 0.002)	mg/l	0.01	0.05
12.	Mercury as Hg	VEL/W/STP/03, Issue No. -01, Issue date- 01/11/2023:2023	BLQ(**LOQ 0.0005)	mg/l	0.001	No relaxation
13.	Lead as Pb	VEL/W/STP/03, Issue No. -01, Issue date- 01/11/2023:2023	BLQ(**LOQ 0.002)	mg/l	0.01	No relaxation
14.	Cadmium (as Cd)	VEL/W/STP/03, Issue No. -01, Issue date- 01/11/2023:2023	BLQ(**LOQ 0.002)	mg/l	0.003	No relaxation

Page No. 01 of 03



Terms & Conditions

- The results reported relate only to the samples tested. In case sample is not drawn the results apply to the sample as received.
- This test report in full or in part, shall not be reproduced in any court of law without prior written approval of the laboratory.
- To confirm the authenticity of this certificate of analysis, please contact us through email at environment@vardan.co.in
- Laboratory is not responsible for the authenticity of photocopied test report. The test samples will be retained only for specific period
- The report no. with Suffix A-Amended Report.
- This test report will not be used for publicity or advertising or media purpose without prior written permission on the laboratory.
- Giving opinions does not imply endorsement of the tested sample by the lab. Under no circumstances, the lab accepts any liability caused by the use or misuse of the test report.



www.vardan.co.in



Test Report

Sample No.: VEL /GW/04				Report No.: VEL/W/2508210004		
S. No.	Parameter	Test-Method	Result	Unit	Limits of IS:10500 -2012	
					Desirable limit (Max.)	Permissible limit in the Absence of Alternate Source (Max.)
15.	Boron as B	VEL/W/STP/03, Issue No. -01, Issue date-01/11/2023:2023	BLQ(**LOQ 0.01)	mg/l	0.5	2.4
16.	Total Chromium	VEL/W/STP/03, Issue No. -01, Issue date-01/11/2023:2023	BLQ(**LOQ 0.002)	mg/l	0.05	No relaxation
17.	Copper as Cu	VEL/W/STP/03, Issue No. -01, Issue date-01/11/2023:2023	BLQ(**LOQ 0.002)	mg/l	0.05	1.5
18.	Zinc as Zn	VEL/W/STP/03, Issue No. -01, Issue date-01/11/2023:2023	BLQ(**LOQ 0.01)	mg/l	5	15
19.	Selenium as Se	VEL/W/STP/03, Issue No. -01, Issue date-01/11/2023:2023	BLQ(**LOQ 0.001)	mg/l	0.01	No relaxation
20.	Turbidity	IS: 3025 (P-10)	BLQ(**LOQ 1.0)	NTU	1	5
21.	Aluminium as Al	VEL/W/STP/03, Issue No. -01, Issue date-01/11/2023:2023	BLQ(**LOQ 0.002)	mg/l	0.03	0.2
22.	Manganese as Mn	VEL/W/STP/03, Issue No. -01, Issue date-01/11/2023:2023	BLQ(**LOQ 0.01)	mg/l	0.1	0.3
23.	Oil & Grease	IS: 3025(P-39):2021 (Gravimetric Method)	BLQ(**LOQ 0.4)	mg/l	NA	NA
24.	Residual free Chlorine	IS:3025:P-26:2021 (Colorimetric Method using)	BLQ(**LOQ 0.15)	mg/l	0.2	1
25.	Cyanide as CN	IS:3025(P-27/Sec1):2021 (Pyridine Barbituric Acid Method)	*BLQ(**LOQ 0.02)	mg/l	0.05	No relaxation
26.	Colour	IS:3025 (Part-4) :2021 (Visual Comparison Method)	*BLQ(**LOQ 1.0)	Hazen	5	15
27.	Odour	IS:3025 Part-5: 2018	Agreeable	--	Agreeable	Agreeable
28.	Taste	IS:3025:Part-8:2023	Agreeable	--	Agreeable	Agreeable
29.	Anionic Detergents as MBAS	IS:3025:P-68:2019 (Methylene Blue Method)	*BLQ(**LOQ 0.05)	mg/l	0.2	1.0
30.	Phenolic Compounds	IS:3025 (Part-43/Sec-1):2022 (Without Chloroform extraction)	*BLQ(**LOQ 0.0004)	mg/l	0.001	0.002
31.	P.P.-DDT or 4,4-DDT	VEL/STP/W-01, Issue No. - 01, 01/11/2021	BLQ(**LOQ 0.01)	µg/l	--	1
32.	Alachlor	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	20
33.	Atrazine	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	2
34.	Aldrin	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	0.03
35.	Alpha HCH	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	0.01
36.	Beta HCH	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	0.04
37.	Delta HCH	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	0.04

Page No. 02 of 03



Terms & Conditions

- The results reported relate only to the samples tested. In case sample is not drawn the results apply to the sample as received.
- This test report in full or in part shall not be reproduced in any court of law without prior written approval of the laboratory.
- To confirm the authenticity of this certificate of analysis, please contact us through email at environment@vardan.co.in
- Laboratory is not responsible for the authenticity of photocopied test report. The test samples will be retained only for specific period
- The report no. with Suffix A-Amended Report.
- This test report will not be used for publicity or advertising or media purpose without prior written permission on the laboratory.
- Giving opinions does not imply endorsement of the tested sample by the lab. Under no circumstances, the lab accepts any liability caused by the use or misuse of the test report.



www.vardan.co.in



Test Report

Sample No:- VEL /GW/04				Report No.: VEL/W/2508210004		
S. No.	Parameter	Test-Method	Result	Unit	Limits of IS:10500 -2012	
					Desirable limit (Max.)	Permissible limit in the Absence of Alternate Source (Max.)
38.	Endosulfan (alpha, beta and sulphate)	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	0.4
39.	Gamma-HCH	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	2
40.	Malathion	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	190
41.	Methyl Parathion	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	0.3
42.	2,4, Dichlorophenoxyacetic acid	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	30
43.	Ethion	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	3
44.	Isoproturon	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	9
45.	Monochrotophos	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	1
46.	Phorate	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	2
47.	Buta chlor	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	125
48.	Chlorpyrifos	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	0.0005	30

Note:- *BLQ -Below Limit of Quantification, **LOQ- Limit of Quantification.

End of Report

Page No. 03 of 03



Terms & Conditions (Reviewed By)

- The results reported relate only to the samples tested; in case sample is not drawn the results apply to the sample as received.
- This test report in full or in part, shall not be reproduced in any court of law without prior written approval of the laboratory.
- To confirm the authenticity of this certificate of analysis, please contact us through email at environment@vardan.co.in
- Laboratory is not responsible for the authenticity of photocopied test report. The test samples will be retained only for specific period
- The report no. with Suffix A-Amended Report.
- This test report will not be used for publicity or advertising or media purpose without prior written permission on the laboratory.
- Giving opinions does not imply endorsement of the tested sample by the lab. Under no circumstances, the lab accepts any liability caused by the use or misuse of the test report.



www.vardan.co.in



Test Report

Sample Number:	VEL /GW/05	Report No.:	VEL/W/2508210005
Name & Address of Party:	M/s Chambal Fertilizers & Chemical Ltd P.O- Gadepan, Kota, Rajasthan	Format No.:	7.8 F 03
		Party Reference No.:	Nil
		Reporting Date:	29/08/2025
		Period of Analysis:	21/08/2025 to 29/08/2025
Sample Description:	Ground Water	Receipt Date:	21/08/2025
Sampling Location:	Village- Bhaunra	Sampling Date:	19/08/2025
Sample Collected by:	Vardan Envirolab Representative	Sampling Type:	Grab
Preservation:	Refrigerated	Sample Quantity:	5.0 Ltr.
Sampling & Analysis Protocol:	IS-10500-2012		

TEST RESULTS

S. No.	Parameter	Test-Method	Result	Unit	Limits of IS:10500 -2012	
					Desirable limit (Max.)	Permissible limit in the Absence of Alternate Source (Max.)
1.	pH (at 25 °C)	IS 3025 (Part 11):2022 (Using by Electrode)	7.67	--	6.5 to 8.5	No Relaxation
2.	Total Dissolved Solids	IS:3025:P-16: 2023(Gravimetric Method)	607.0	mg/l	500	2000
3.	Alkalinity as CaCO ₃	IS:3025:Part 23:2023(Indicator Method)	174.13	mg/l	200	600
4.	Total Hardness as CaCO ₃	IS 3025:P-21:2009(EDTA Method)	521.16	mg/l	200	600
5.	Nitrate as NO ₃	APHA 24th Edition :2023,4500 NO3. B Screening Method	08.23	mg/l	45	No Relaxation
6.	Chloride as Cl	IS:3025:Part 32:1988 (Argentometric Method)	206.46	mg/l	250	1000
7.	Sulphate as SO ₄	IS:3025(Part 24/Sec-1):2022 (Turbidity Method)	164.19	mg/l	200	400
8.	Calcium as Ca	IS: 3025:P-40: 1991(EDTA Titrimetric Method)	119.82	mg/l	75	200
9.	Fluoride as F	APHA 4500 F-D: 24 th Edition : 2023 (SPADNS Method)	0.87	mg/l	1.0	1.5
10.	Iron as Fe	VEL/W/STP/03, Issue No. -01, Issue date- 01/11/2023:2023	0.09	mg/l	0.3	No relaxation
11.	Arsenic as As	VEL/W/STP/03, Issue No. -01, Issue date- 01/11/2023:2023	BLQ(**LOQ 0.002)	mg/l	0.01	0.05
12.	Mercury as Hg	VEL/W/STP/03, Issue No. -01, Issue date- 01/11/2023:2023	BLQ(**LOQ 0.0005)	mg/l	0.001	No relaxation
13.	Lead as Pb	VEL/W/STP/03, Issue No. -01, Issue date- 01/11/2023:2023	BLQ(**LOQ 0.002)	mg/l	0.01	No relaxation
14.	Cadmium (as Cd)	VEL/W/STP/03, Issue No. -01, Issue date- 01/11/2023:2023	BLQ(**LOQ 0.002)	mg/l	0.003	No relaxation

Page No. 01 of 03



Terms & Conditions

- The results reported relate only to the samples tested, in case sample is not drawn the results apply to the sample as received.
- This test report in full or in part, shall not be reproduced in any court of law without prior written approval of the laboratory.
- To confirm the authenticity of this certificate of analysis, please contact us through email at environment@vardan.co.in
- Laboratory is not responsible for the authenticity of photocopied test report. The test samples will be retained only for specific period
- The report no. with Suffix A-Amended Report.
- This test report will not be used for publicity or advertising or media purpose without prior written permission on the laboratory.
- Giving opinions does not imply endorsement of the tested sample by the lab. Under no circumstances, the lab accepts any liability caused by the use or misuse of the test report.



www.vardan.co.in



Test Report

Sample No.: VEL /GW/05				Report No.: VEL/W/2508210005		
S. No.	Parameter	Test-Method	Result	Unit	Limits of IS:10500 -2012	
					Desirable limit (Max.)	Permissible limit in the Absence of Alternate Source (Max.)
15.	Boron as B	VEL/W/STP/03, Issue No. -01, Issue date-01/11/2023:2023	BLQ(**LOQ 0.01)	mg/l	0.5	2.4
16.	Total Chromium	VEL/W/STP/03, Issue No. -01, Issue date-01/11/2023:2023	BLQ(**LOQ 0.002)	mg/l	0.05	No relaxation
17.	Copper as Cu	VEL/W/STP/03, Issue No. -01, Issue date-01/11/2023:2023	BLQ(**LOQ 0.002)	mg/l	0.05	1.5
18.	Zinc as Zn	VEL/W/STP/03, Issue No. -01, Issue date-01/11/2023:2023	BLQ(**LOQ 0.01)	mg/l	5	15
19.	Selenium as Se	VEL/W/STP/03, Issue No. -01, Issue date-01/11/2023:2023	BLQ(**LOQ 0.001)	mg/l	0.01	No relaxation
20.	Turbidity	IS: 3025 (P-10)	BLQ(**LOQ 1.0)	NTU	1	5
21.	Aluminium as Al	VEL/W/STP/03, Issue No. -01, Issue date-01/11/2023:2023	BLQ(**LOQ 0.002)	mg/l	0.03	0.2
22.	Manganese as Mn	VEL/W/STP/03, Issue No. -01, Issue date-01/11/2023:2023	BLQ(**LOQ 0.01)	mg/l	0.1	0.3
23.	Oil & Grease	IS: 3025(P-39):2021(Gravimetric Method)	BLQ(**LOQ 0.4)	mg/l	NA	NA
24.	Residual free Chlorine	IS:3025:P-26:2021 (Colorimetric Method using)	BLQ(**LOQ 0.15)	mg/l	0.2	1
25.	Cyanide as CN	IS:3025(P-27/Sec I):2021(Pyridine Barbituric Acid Method)	*BLQ(**LOQ 0.02)	mg/l	0.05	No relaxation
26.	Colour	IS:3025 (Part-4) :2021 (Visual Comparison Method)	*BLQ(**LOQ 1.0)	Hazen	5	15
27.	Odour	IS:3025 Part-5: 2018	Agreeable	--	Agreeable	Agreeable
28.	Taste	IS:3025:Part-8:2023	Agreeable	--	Agreeable	Agreeable
29.	Anionic Detergents as MBAS	IS:3025:P-68:2019 (Methylene Blue Method)	*BLQ(**LOQ 0.05)	mg/l	0.2	1.0
30.	Phenolic Compounds	IS:3025 (Part-43/Sec-1):2022 (Without Chloroform extraction)	*BLQ(**LOQ 0.0004)	mg/l	0.001	0.002
31.	P.P.-DDT or 4,4-DDT	VEL/STP/W-01, Issue No. - 01, 01/11/2021	BLQ(**LOQ 0.01)	µg/l	--	1
32.	Alachlor	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	20
33.	Atrazine	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	2
34.	Aldrin	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	0.03
35.	Alpha HCH	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	0.01
36.	Beta HCH	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	0.04
37.	Delta HCH	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	0.04

Page No. 02 of 03



Terms & Conditions

- The results reported relate only to the samples tested. In case sample is not drawn the results apply to the sample as received.
- This test report in full or in part, shall not be reproduced in any court of law without prior written approval of the laboratory.
- To confirm the authenticity of this certificate of analysis, please contact us through email at environment@vardan.co.in
- Laboratory is not responsible for the authenticity of photocopied test report. The test samples will be retained only for specific period
- The report no. with Suffix A-Amended Report.
- This test report will not be used for publicity or advertising or media purpose without prior written permission on the laboratory.
- Giving opinions does not imply endorsement of the tested sample by the lab. Under no circumstances, the lab accepts any liability caused by the use or misuse of the test report.



www.vardan.co.in



Test Report

Sample No.: VEL /GW/05					Report No.: VEL/W/2508210005	
S. No.	Parameter	Test-Method	Result	Unit	Limits of IS:10500 -2012	
					Desirable limit (Max.)	Permissible limit in the Absence of Alternate Source (Max.)
38.	Endosulfan (alpha, beta and sulphate)	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	0.4
39.	Gamma-HCH	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	2
40.	Malathion	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	190
41.	Methyl Parathion	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	0.3
42.	2,4, Dichlorophenoxyacetic acid	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	30
43.	Ethion	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	3
44.	Isoproturon	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	9
45.	Monochrotophos	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	1
46.	Phorate	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	2
47.	Buta chlor	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	125
48.	Chlorpyriphos	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	0.0005	30

Note:- *BLQ -Below Limit of Quantification, **LOQ- Limit of Quantification.

End of Report

Page No. 03 of 03



Terms & Conditions

- The results reported relate only to the samples tested. In case sample is not drawn the results apply to the sample as received.
- This test report in full or in part, shall not be reproduced in any court of law without prior written approval of the laboratory.
- To confirm the authenticity of this certificate of analysis, please contact us through email at environment@vardan.co.in
- Laboratory is not responsible for the authenticity of photocopied test report. The test samples will be retained only for specific period
- The report no. with Suffix A-Amended Report.
- This test report will not be used for publicity or advertising or media purpose without prior written permission on the laboratory.
- Giving opinions does not imply endorsement of the tested sample by the lab. Under no circumstances, the lab accepts any liability caused by the use or misuse of the test report.



www.vardan.co.in



Test Report

Sample Number: VEL /GW/06
Name & Address of Party: M/s Chambal Fertilizers & Chemical Ltd
P.O- Gadepan, Kota, Rajasthan

Report No.: VEL/W/2508210006
Format No.: 7.8 F 03
Party Reference No.: Nil
Reporting Date: 29/08/2025
Period of Analysis: 21/08/2025 to 29/08/2025
Receipt Date: 21/08/2025
Sampling Date: 19/08/2025
Sampling Type: Grab
Sample Quantity: 5.0 Ltr.

Sample Description: Ground Water
Sampling Location: Village- Ballabhupura
Sample Collected by: Vardan Envirolab Representative
Preservation: Refrigerated
Sampling & Analysis Protocol: IS-10500-2012

TEST RESULTS

S. No.	Parameter	Test-Method	Result	Unit	Limits of IS:10500 -2012	
					Desirable limit (Max.)	Permissible limit in the Absence of Alternate Source (Max.)
1.	pH (at 25 °C)	IS 3025 (Part 11):2022 (Using by Electrode)	7.79	--	6.5 to 8.5	No Relaxation
2.	Total Dissolved Solids	IS:3025:P-16: 2023(Gravimetric Method)	583.0	mg/l	500	2000
3.	Alkalinity as CaCO ₃	IS:3025:Part 23:2023(Indicator Method)	199.0	mg/l	200	600
4.	Total Hardness as CaCO ₃	IS 3025:P-21:2009(EDTA Method)	521.16	mg/l	200	600
5.	Nitrate as NO ₃	APHA 24th Edition: 2023, 4500 NO3. B Screening Method	25.88	mg/l	45	No Relaxation
6.	Chloride as Cl	IS:3025:Part 32:1988 (Argentometric Method)	160.80	mg/l	250	1000
7.	Sulphate as SO ₄	IS:3025(Part 24/Sec-1):2022 (Turbidity Method)	191.74	mg/l	200	400
8.	Calcium as Ca	IS: 3025:P-40: 1991(EDTA Titrimetric Method)	132.78	mg/l	75	200
9.	Fluoride as F	APHA 4500 F-D: 24 th Edition : 2023 (SPADNS Method)	0.35	mg/l	1.0	1.5
10.	Iron as Fe	VEL/W/STP/03, Issue No. -01, Issue date- 01/11/2023:2023	0.15	mg/l	0.3	No relaxation
11.	Arsenic as As	VEL/W/STP/03, Issue No. -01, Issue date- 01/11/2023:2023	BLQ(**LOQ 0.002)	mg/l	0.01	0.05
12.	Mercury as Hg	VEL/W/STP/03, Issue No. -01, Issue date- 01/11/2023:2023	BLQ(**LOQ 0.0005)	mg/l	0.001	No relaxation
13.	Lead as Pb	VEL/W/STP/03, Issue No. -01, Issue date- 01/11/2023:2023	BLQ(**LOQ 0.002)	mg/l	0.01	No relaxation
14.	Cadmium (as Cd)	VEL/W/STP/03, Issue No. -01, Issue date- 01/11/2023:2023	BLQ(**LOQ 0.002)	mg/l	0.003	No relaxation

Page No. 01 of 03



Terms & Conditions

- The results reported relate only to the samples tested. In case sample is not drawn the results apply to the sample as received.
- This test report in full or in part shall not be reproduced in any court of law without prior written approval of the laboratory.
- To confirm the authenticity of this certificate of analysis, please contact us through email at environment@vardan.co.in
- Laboratory is not responsible for the authenticity of photocopied test report. The test samples will be retained only for specific period
- The report no. with Suffix A-Amended Report.
- This test report will not be used for publicity or advertising or media purpose without prior written permission on the laboratory.
- Giving opinions does not imply endorsement of the tested sample by the lab. Under no circumstances, the lab accepts any liability caused by the use or misuse of the test report.



www.vardan.co.in



Test Report

Sample No.: VEL /GW/06				Report No.: VEL/W/2508210006		
S. No.	Parameter	Test-Method	Result	Unit	Limits of IS:10500 -2012	
					Desirable limit (Max.)	Permissible limit in the Absence of Alternate Source (Max.)
15.	Boron as B	VEL/W/STP/03, Issue No. -01, Issue date-01/11/2023:2023	BLQ(**LOQ 0.01)	mg/l	0.5	2.4
16.	Total Chromium	VEL/W/STP/03, Issue No. -01, Issue date-01/11/2023:2023	BLQ(**LOQ 0.002)	mg/l	0.05	No relaxation
17.	Copper as Cu	VEL/W/STP/03, Issue No. -01, Issue date-01/11/2023:2023	BLQ(**LOQ 0.002)	mg/l	0.05	1.5
18.	Zinc as Zn	VEL/W/STP/03, Issue No. -01, Issue date-01/11/2023:2023	BLQ(**LOQ 0.01)	mg/l	5	15
19.	Selenium as Se	VEL/W/STP/03, Issue No. -01, Issue date-01/11/2023:2023	BLQ(**LOQ 0.001)	mg/l	0.01	No relaxation
20.	Turbidity	IS: 3025 (P-10)	BLQ(**LOQ 1.0)	NTU	1	5
21.	Aluminium as Al	VEL/W/STP/03, Issue No. -01, Issue date-01/11/2023:2023	BLQ(**LOQ 0.002)	mg/l	0.03	0.2
22.	Manganese as Mn	VEL/W/STP/03, Issue No. -01, Issue date-01/11/2023:2023	BLQ(**LOQ 0.01)	mg/l	0.1	0.3
23.	Oil & Grease	IS: 3025(P-39):2021(Gravimetric Method)	BLQ(**LOQ 0.4)	mg/l	NA	NA
24.	Residual free Chlorine	IS:3025:P-26:2021 (Colorimetric Method using)	BLQ(**LOQ 0.15)	mg/l	0.2	1
25.	Cyanide as CN	IS:3025(P-27/Sec1):2021(Pyridine Barbituric Acid Method)	*BLQ(**LOQ 0.02)	mg/l	0.05	No relaxation
26.	Colour	IS:3025 (Part-4) :2021 (Visual Comparison Method)	*BLQ(**LOQ 1.0)	Hazen	5	15
27.	Odour	IS:3025 Part-5: 2018	Agreeable	--	Agreeable	Agreeable
28.	Taste	IS:3025:Part-8:2023	Agreeable	--	Agreeable	Agreeable
29.	Anionic Detergents as MBAS	IS:3025:P-68:2019 (Methylene Blue Method)	*BLQ(**LOQ 0.05)	mg/l	0.2	1.0
30.	Phenolic Compounds	IS:3025 (Part-43/Sec-1):2022 (Without Chloroform extraction)	*BLQ(**LOQ 0.0004)	mg/l	0.001	0.002
31.	P.P.-DDT or 4,4-DDT	VEL/STP/W-01, Issue No. - 01, 01/11/2021	BLQ(**LOQ 0.01)	µg/l	--	1
32.	Alachlor	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	20
33.	Atrazine	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	2
34.	Aldrin	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	0.03
35.	Alpha HCH	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	0.01
36.	Beta HCH	VEL/W/STP/ 01, Issue No-01 Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	0.04
37.	Delta HCH	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	0.04

Page No. 02 of 03



Terms & Conditions

- The results reported relate only to the samples tested. In case sample is not drawn the results apply to the sample as received.
- This test report in full or in part, shall not be reproduced in any court of law without prior written approval of the laboratory.
- To confirm the authenticity of this certificate of analysis, please contact us through email at environment@vardan.co.in
- Laboratory is not responsible for the authenticity of photocopied test report. The test samples will be retained only for specific period
- The report no. with Suffix A-Amended Report.
- This test report will not be used for publicity or advertising or media purpose without prior written permission on the laboratory.
- Giving opinions does not imply endorsement of the tested sample by the lab. Under no circumstances, the lab accepts any liability caused by the use or misuse of the test report.



www.vardan.co.in



Test Report

Sample No.: VEL /GW/06			Report No.: VEL/W/2508210006			
S. No.	Parameter	Test-Method	Result	Unit	Limits of IS:10500 -2012	
					Desirable limit (Max.)	Permissible limit in the Absence of Alternate Source (Max.)
38.	Endosulfan (alpha, beta and sulphate)	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	0.4
39.	Gamma-HCH	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	2
40.	Malathion	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	190
41.	Methyl Parathion	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	0.3
42.	2,4, Dichlorophenoxyacetic acid	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	30
43.	Ethion	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	3
44.	Isoproturon	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	9
45.	Monochrotophos	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	1
46.	Phorate	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	2
47.	Buta chlor	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	--	125
48.	Chlorpyrifos	VEL/W/STP/ 01, Issue No-01, Issue date 01/11/2023	BLQ(**LOQ 0.01)	µg/l	0.0005	30

Note:- *BLQ -Below Limit of Quantification, **LOQ- Limit of Quantification, STP- Standard Testing Procedure
End of Report

Page No. 03 of 03



Terms & Conditions

- The results reported relate only to the samples tested. In case sample is not drawn the results apply to the sample as received.
- This test report in full or in part, shall not be reproduced in any court of law without prior written approval of the laboratory.
- To confirm the authenticity of this certificate of analysis, please contact us through email at environment@vardan.co.in
- Laboratory is not responsible for the authenticity of photocopied test report. The test samples will be retained only for specific period
- The report no. with Suffix A-Amended Report.
- This test report will not be used for publicity or advertising or media purpose without prior written permission on the laboratory.
- Giving opinions does not imply endorsement of the tested sample by the lab. Under no circumstances, the lab accepts any liability caused by the use or misuse of the test report.



www.vardan.co.in