



**TEST REPORT**

Test Report No	: NL/WATER/0156	ULR No.	: TC978225000001496F
Customer Name & Address	: Dighori Kyanite Mine (Lease P M Golcha) M L Area – 14.33 ha Khasra No. 155, Village. Dighori, Tal. Lakhandur, Dist. Bhandara		
Sample Collected On	: Date 22/05/2025	Sample Details	: Water Sample
Sample Received On	: Date 22/05/2025	Sampling Done By	: Customer
Sample Condition	: Preserved : NA	Sealed : Yes	: Acceptable : Yes
Period of Testing	: 22/05/2025 to 28/05/2025	Report Issue Date	: 29/05/2025
Sample ID. (By Lab)	: NL-0085/MAY25/WA-01	Sample ID. ( By Customer)	WA-01-Open Dug Well

**1. Chemical Testing**  
**III. Water**

**TEST RESULTS**

Sr. No.	Test Parameters	Results	Units	Test Method Used	As per IS 10500	
					Acceptable	Permissible
1.	Colour	3	-	IS 3025 (Part 4)	5	15
2.	Odour	AG	-	IS 3025 (Part 5)	AG	AG
3.	Taste	AG	-	IS 3025 (Part 7)	AG	AG
4.	pH at 25 °C	7.65	-	IS 3025 (Part11)	6.5-8.5	NR
5.	Electrical Conductivity	1012	µs/cm	IS 3025 (Part14)	-	-
6.	Turbidity	0.7	NTU	IS 3025 (Part10)	1	5
7.	Total Dissolved Solids (TDS)	685	mg/l	IS 3025 (Part16)	500	2000
8.	Total Suspended Solids (TSS)	BDL	mg/l	IS 3025 (Part17)	-	-
9.	Total Alkalinity as CaCO <sub>3</sub>	175	mg/l	IS 3025 (Part 23)	200	600
10.	Total Hardness as CaCO <sub>3</sub>	186	mg/l	IS 3025 (Part 21)	200	600
11.	Calcium as Ca	39.8	mg/l	IS 3025 (Part 40)	75	200
12.	Magnesium as Mg	3.16	mg/l	APHA 24th Edition	30	100



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13.	Chloride as Cl	128	mg/l	IS 3025 (Part32)	250	1000
14.	Suphate as SO <sub>4</sub>	39.1	mg/l	APHA 24th Edition	200	400
15.	Nitratre as NO <sub>3</sub>	0.144	mg/l	APHA 24th Edition	45	NR
16.	Fluoride as F	0.56	mg/l	APHA 24th Edition	1	1.5
17.	Ammonical Nitrogen	0.223	mg/l	IS 3025 (Part 34)	0.5	NR
18.	Phosphate as PO <sub>4</sub>	3.252	mg/l	IS 3025 (Part 31)	-	-
19.	Copper as Cu	BDL	mg/l	IS 3025 (Part42)	0.05	1.5
20.	Iron as Fe	0.215	mg/l	IS 3025 (Part53)	0.3	NR
21.	Manganese as Mn	BDL	mg/l	APHA 24th Edition	0.1	0.3
22.	Zinc as Zn	0.358	mg/l	IS 3025 (Part49)	5	15

NR - no relaxation, AG - agreeable; NA- not applicable; BDL-below detection limit

For M/s Nilawar Laboratories,

  


**Dinesh Bangadkar**  
(Authorized Signatory)

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Page 2 of 2

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**ISO 45001:2018**

CIN No. U74140MH2009PTC196108

**TEST REPORT**

Test Report No	: NL/WATER/0157	Remark	: -
Customer Name & Address	: Dighori Kyanite Mine (Lease P M Golcha) M L Area – 14.33 ha Khasra No. 155, Village. Dighori, Tal. Lakhandur, Dist. Bhandara		
Sample Collected On	: Date 22/05/2025	Sample Details	: Water Sample
Sample Received On	: Date 22/05/2025	Sampling Done By	: Customer
Sample Condition	: Preserved : NA	Sealed : Yes	: Acceptable : Yes
Period of Testing	: 22/05/2025 to 28/05/2025	Report Issue Date	: 29/05/2025
Sample ID. (By Lab)	: NL-0085/MAY25/WA-01	Sample ID. ( By Customer)	WA-01-Open Dug Well

**1. Chemical Testing**  
**III. Water**

**TEST RESULTS**

Sr. No.	Test Parameters	Results	Units	Test Method Used	As per IS 10500	
					Acceptable	Permissible
1.	T. coliform	Absent	MPN / 100 ml	IS 1622	Shall not be detectable in any 100 ml sample	
2.	E coli	Absent	MPN / 100 ml	IS 1622		

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**Dinesh Bangadkar**  
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Page 2 of 2

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**TEST REPORT**

<b>Test Report No</b>	<b>: NL/WATER/0158</b>	<b>ULR No.</b>	<b>: TC978225000001497F</b>
<b>Customer Name &amp; Address</b>	<b>: Dighori Kyanite Mine (Lease P M Golcha) M L Area – 14.33 ha Khasra No. 155, Village. Dighori, Tal. Lakhandur, Dist. Bhandara</b>		
<b>Sample Collected On</b>	<b>: Date 22/05/2025</b>	<b>Sample Details</b>	<b>: Surface Water Sample</b>
<b>Sample Received On</b>	<b>: Date 22/05/2025</b>	<b>Sampling Done By</b>	<b>: Customer</b>
<b>Sample Condition</b>	<b>: Preserved : NA</b>	<b>Sealed : Yes</b>	<b>: Acceptable : Yes</b>
<b>Period of Testing</b>	<b>: 22/05/2025 to 28/05/2025</b>	<b>Report Issue Date</b>	<b>: 29/05/2025</b>
<b>Sample ID. (By Lab)</b>	<b>: NL-0085/MAY25/WA-01 &amp; WA-02</b>	<b>Sample ID. (By Customer)</b>	<b>WA-01-Mine Pit 1 WA-02 - Mine Pit 2</b>

**1. Chemical Testing**  
**III. Water**

**TEST RESULTS**

Sr. No.	Test Parameters	Results		Units	Test Method Used	Surface Water Quality Standards as Per IS 2296 (Class C)
		WA-01	WA-02			
1.	Colour	4	4	-	IS 3025 (Part 4)	300
2.	Odour	UO	UO	-	IS 3025 (Part 5)	UO
3.	Taste	UO	UO	-	IS 3025 (Part 7)	UO
4.	pH at 25 °C	7.29	7.47	-	IS 3025 (Part11)	-
5.	Electrical Conductivity	444	569	µs/cm	IS 3025 (Part14)	-
6.	Turbidity	3	3	NTU	IS 3025 (Part10)	-
7.	Total Dissolved Solids (TDS)	316	352	mg/l	IS 3025 (Part16)	1500
8.	Total Suspended Solids (TSS)	2.4	3.9	mg/l	IS 3025 (Part17)	-
9.	Total Alkalinity as CaCO <sub>3</sub>	158	182	mg/l	IS 3025 (Part 23)	-
10.	Total Hardness as CaCO <sub>3</sub>	179	205	mg/l	IS 3025 (Part 21)	-
11.	Calcium as Ca	60.3	66.5	mg/l	IS 3025 (Part 40)	-
12.	Magnesium as Mg	9.16	8.17	mg/l	APHA 24th Edition	-
13.	Chloride as Cl	45.2	60.9	mg/l	IS 3025 (Part32)	600
14.	Suphate as SO <sub>4</sub>	25.1	30.6	mg/l	APHA 24th Edition	400



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15.	Nitrate as NO <sub>3</sub>	0.124	0.285	mg/l	APHA 24th Edition	50
17.	Anionic Detergents (as MBAS)	BDL	BDL	mg/l	APHA 24 <sup>th</sup> Edition	1
18.	Fluoride as F	0.039	0.148	mg/l	APHA 24th Edition	1.5
19.	Ammonical Nitrogen	0.192	0.414	mg/l	IS 3025 (Part 34)	-
20.	Phosphate as PO <sub>4</sub>	2.233	3.125	mg/l	IS 3025 (Part 31)	-
21.	Copper as Cu	0.049	0.081	mg/l	IS 3025 (Part42)	1.5
22.	Iron as Fe	0.359	0.418	mg/l	IS 3025 (Part53)	50
23.	Manganese as Mn	0.218	0.315	mg/l	APHA 24th Edition	0.5
24.	Zinc as Zn	0.926	0.714	mg/l	IS 3025 (Part49)	15
25.	Dissolved Oxygen	6.0	6.0	mg/l	IS 3025 (Part 38)	4
26.	B O D 3 days 27 °C	2.2	2.8	mg/l	IS 3025 (Part 44)	3
27.	C O D	10	10	mg/l	IS 3025 (Part 58)	-

*NR - no relaxation, AG - agreeable; NA- not applicable; BDL-below detection limit; UO - Unobjectionable*

For M/s Nilawar Laboratories,

  


**Dinesh Bangadkar**  
(Authorized Signatory)

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**TEST REPORT**

<b>Test Report No</b>	: NL/WATER/0606	<b>Remark</b>	: -
<b>Customer Name &amp; Address</b>	: Dighori Kyanite Mine (Lease P M Golcha) M L Area – 14.33 ha Khasra No. 155, Village. Dighori, Tal. Lakhandur, Dist. Bhandara		
<b>Sample Collected On</b>	: Date 22/05/2025	<b>Sample Details</b>	: Surface Water Sample
<b>Sample Received On</b>	: Date 22/05/2025	<b>Sampling Done By</b>	: Customer
<b>Sample Condition</b>	: Preserved : NA	<b>Sealed : Yes</b>	: Acceptable : Yes
<b>Period of Testing</b>	: 22/05/2025 to 28/05/2025	<b>Report Issue Date</b>	: 29/05/2025
<b>Sample ID. (By Lab)</b>	: NL-0085/MAY25/WA-01 & WA-02	<b>Sample ID. (By Customer)</b>	WA-01-Mine Pit 1 WA-02 - Mine Pit 2

**1. Chemical Testing**  
**III. Water**

**TEST RESULTS**

Sr. No.	Test Parameters	Results		Units	Test Method Used	Surface Water Quality Standards as Per IS 2296 (Class C)
		WA-01	WA-02			
1.	T. coliform	Absent	Absent	MPN/100 ml	IS 1622	5000
2.	E coli	Absent	Absent	MPN/100 ml	IS 1622	-

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Page 1 of 1

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