



## Analytical Summary Report

Analysis Method: 7196A

ANALYST: ketankumar

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY: apatel

Run Number: LB118076

pH Meter ID: WC pH Meter-1

| Reagent/Standard                  | Lot/Log # |
|-----------------------------------|-----------|
| hexavalent chromium color reagent | WP94584   |
| 5N sulfuric acid                  | WP93692   |
| HNO3 Hex-Chrome, 5M               | WP93691   |
| Hexchrome Cleaning Solution       | WP92841   |

Intercept: 0.0017

Slope: 0.7681

Regression: 0.999997

| Seq | Lab ID | True Value (mg/l) | DF | Initial Vol (ml) | Final Vol (ml) | pH HNO3 | pH H2SO4 | Absorb.at 540nm |       | Absorbance Difference | Result (mg/L) | %D  | Anal Date  | Anal Time |
|-----|--------|-------------------|----|------------------|----------------|---------|----------|-----------------|-------|-----------------------|---------------|-----|------------|-----------|
|     |        |                   |    |                  |                |         |          | Backgrnd        | Color |                       |               |     |            |           |
| 1   | CAL1   | 0                 | 1  | 100              | 100            | 7.15    | 2.28     | 0.000           | 0.001 | 0.001                 | -0.00         |     | 01/05/2022 | 14:10     |
| 2   | CAL2   | 0.01              | 1  | 100              | 100            | 7.36    | 2.14     | 0.000           | 0.009 | 0.009                 | 0.009         | 10  | 01/05/2022 | 14:11     |
| 3   | CAL3   | 0.025             | 1  | 100              | 100            | 7.25    | 2.35     | 0.000           | 0.021 | 0.021                 | 0.025         | 0   | 01/05/2022 | 14:12     |
| 4   | CAL4   | 0.05              | 1  | 100              | 100            | 7.40    | 1.98     | 0.000           | 0.040 | 0.040                 | 0.049         | 2   | 01/05/2022 | 14:15     |
| 5   | CAL5   | 0.1               | 1  | 100              | 100            | 7.62    | 1.74     | 0.000           | 0.080 | 0.080                 | 0.101         | -1  | 01/05/2022 | 14:16     |
| 6   | CAL6   | 0.5               | 1  | 100              | 100            | 7.50    | 1.85     | 0.000           | 0.385 | 0.385                 | 0.499         | 0.2 | 01/05/2022 | 14:18     |
| 7   | CAL7   | 1                 | 1  | 100              | 100            | 7.28    | 2.08     | 0.000           | 0.770 | 0.770                 | 1.000         | 0   | 01/05/2022 | 14:20     |

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Run Number: LB118076

pH Meter ID: WC pH Meter-1

| Seq | Lab ID     | True Value | DF | Initial Vol (ml/gm) | Final Vol (ml) | pH HN03 | pH H2SO4 | Absorb.at540nm |       | Absorbance Difference | Intermediate Result (mg/L) | Anal Date  | Anal Time |
|-----|------------|------------|----|---------------------|----------------|---------|----------|----------------|-------|-----------------------|----------------------------|------------|-----------|
|     |            |            |    |                     |                |         |          | Backgrnd       | Color |                       |                            |            |           |
| 1   | ICV        | 0.5        | 1  | 100                 | 100            | 7.34    | 2.10     | 0.000          | 0.382 | 0.382                 | 0.495                      | 01/05/2022 | 14:25     |
| 2   | ICB        |            | 1  | 100                 | 100            | 7.18    | 2.36     | 0.000          | 0.001 | 0.001                 | -0.001                     | 01/05/2022 | 14:26     |
| 3   | CCV1       | 0.5        | 1  | 100                 | 100            | 7.28    | 2.25     | 0.000          | 0.379 | 0.379                 | 0.491                      | 01/05/2022 | 14:27     |
| 4   | CCB1       |            | 1  | 100                 | 100            | 7.37    | 1.88     | 0.000          | 0.002 | 0.002                 | 0.000                      | 01/05/2022 | 14:28     |
| 5   | RL Check   | 0.01       | 1  | 100                 | 100            | 7.29    | 1.74     | 0.000          | 0.010 | 0.010                 | 0.011                      | 01/05/2022 | 14:30     |
| 6   | PB141845BL |            | 1  | 2.50                | 100            | 7.14    | 1.95     | 0.000          | 0.002 | 0.002                 | 0.000                      | 01/05/2022 | 14:31     |
| 7   | PB141845BS | 20         | 1  | 2.50                | 100            | 7.52    | 2.30     | 0.002          | 0.353 | 0.351                 | 0.455                      | 01/05/2022 | 14:35     |
| 8   | M5211-04   |            | 1  | 2.53                | 100            | 7.74    | 2.15     | 0.070          | 0.072 | 0.002                 | 0.000                      | 01/05/2022 | 14:38     |
| 9   | N1014-01   |            | 1  | 2.56                | 100            | 7.62    | 1.88     | 0.026          | 0.027 | 0.001                 | -0.001                     | 01/05/2022 | 14:40     |
| 10  | N1016-01   |            | 1  | 2.55                | 100            | 7.41    | 1.74     | 0.025          | 0.026 | 0.001                 | -0.001                     | 01/05/2022 | 14:41     |
| 11  | N1018-01   |            | 1  | 2.56                | 100            | 7.37    | 1.92     | 0.048          | 0.050 | 0.002                 | 0.000                      | 01/05/2022 | 14:42     |
| 12  | N1018-04   |            | 1  | 2.54                | 100            | 7.16    | 2.09     | 0.026          | 0.026 | 0.000                 | -0.002                     | 01/05/2022 | 14:45     |
| 13  | N1018-06   |            | 1  | 2.55                | 100            | 7.48    | 2.18     | 0.017          | 0.017 | 0.000                 | -0.002                     | 01/05/2022 | 14:46     |
| 14  | N1018-06DU |            | 1  | 2.53                | 100            | 7.85    | 2.34     | 0.016          | 0.017 | 0.001                 | -0.001                     | 01/05/2022 | 14:48     |
| 15  | N1018-06MS | 40         | 2  | 2.54                | 100            | 7.71    | 2.25     | 0.014          | 0.335 | 0.321                 | 0.416                      | 01/05/2022 | 14:50     |
| 16  | CCV2       | 0.5        | 1  | 100                 | 100            | 7.37    | 2.17     | 0.000          | 0.380 | 0.380                 | 0.493                      | 01/05/2022 | 14:51     |
| 17  | CCB2       |            | 1  | 100                 | 100            | 7.18    | 1.75     | 0.000          | 0.002 | 0.002                 | 0.000                      | 01/05/2022 | 14:52     |
| 18  | N1018-06MS | 1284       | 40 | 2.56                | 100            | 7.28    | 1.92     | 0.010          | 0.628 | 0.618                 | 0.802                      | 01/05/2022 | 14:53     |
| 19  | N1018-06MS | 40         | 2  | 2.54                | 100            | 7.34    | 1.73     | 0.013          | 0.378 | 0.365                 | 0.473                      | 01/05/2022 | 14:54     |
| 20  | CCV3       | 0.5        | 1  | 100                 | 100            | 7.28    | 2.06     | 0.000          | 0.378 | 0.378                 | 0.490                      | 01/05/2022 | 14:55     |
| 21  | CCB3       |            | 1  | 100                 | 100            | 7.18    | 1.84     | 0.000          | 0.002 | 0.002                 | 0.000                      | 01/05/2022 | 14:55     |