



## Analytical Summary Report

Analysis Method: 7196A

ANALYST: ketankumar

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY: apatel

Run Number: LB118039

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: 0.0014

Slope: 0.7692

Regression: 0.999994

| 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            | 7.08    | 2.08     | 0.000           | 0.002 | 0.002                 | 0.000         |     | 01/01/2022 | 12:40     |
| 2   | CAL2   | 0.01              | 1  | 100              | 100            | 7.15    | 1.88     | 0.000           | 0.008 | 0.008                 | 0.008         | 20  | 01/01/2022 | 12:41     |
| 3   | CAL3   | 0.025             | 1  | 100              | 100            | 7.36    | 1.79     | 0.000           | 0.020 | 0.020                 | 0.024         | 4   | 01/01/2022 | 12:42     |
| 4   | CAL4   | 0.05              | 1  | 100              | 100            | 7.28    | 1.95     | 0.000           | 0.040 | 0.040                 | 0.050         | 0   | 01/01/2022 | 12:43     |
| 5   | CAL5   | 0.1               | 1  | 100              | 100            | 7.10    | 2.15     | 0.000           | 0.080 | 0.080                 | 0.102         | -2  | 01/01/2022 | 12:44     |
| 6   | CAL6   | 0.5               | 1  | 100              | 100            | 7.09    | 2.30     | 0.000           | 0.385 | 0.385                 | 0.498         | 0.4 | 01/01/2022 | 12:45     |
| 7   | CAL7   | 1                 | 1  | 100              | 100            | 7.41    | 2.28     | 0.000           | 0.771 | 0.771                 | 1.000         | 0   | 01/01/2022 | 12:46     |

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Run Number: LB118039

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            | 7.62    | 2.30     | 0.000          | 0.379 | 0.379                 | 0.491                      | 01/01/2022 | 12:50     |
| 2   | ICB        |            | 1  | 100                 | 100            | 7.50    | 2.15     | 0.0000         | 0.001 | 0.001                 | -0.001                     | 01/01/2022 | 12:51     |
| 3   | CCV1       | 0.5        | 1  | 100                 | 100            | 7.34    | 2.28     | 0.000          | 0.378 | 0.378                 | 0.490                      | 01/01/2022 | 12:52     |
| 4   | CCB1       |            | 1  | 100                 | 100            | 7.74    | 1.79     | 0.000          | 0.002 | 0.002                 | 0.001                      | 01/01/2022 | 12:53     |
| 5   | RL Check   | 0.01       | 1  | 100                 | 100            | 7.85    | 1.96     | 0.000          | 0.010 | 0.010                 | 0.011                      | 01/01/2022 | 12:55     |
| 6   | PB141789BL |            | 1  | 2.50                | 100            | 7.56    | 1.80     | 0.000          | 0.001 | 0.001                 | -0.001                     | 01/01/2022 | 12:56     |
| 7   | PB141789BS | 20         | 1  | 2.50                | 100            | 7.62    | 2.08     | 0.002          | 0.354 | 0.352                 | 0.456                      | 01/01/2022 | 12:57     |
| 8   | M5343-01   |            | 1  | 2.53                | 100            | 7.41    | 1.88     | 0.033          | 0.034 | 0.001                 | -0.001                     | 01/01/2022 | 12:58     |
| 9   | M5343-01DU |            | 1  | 2.52                | 100            | 7.25    | 1.74     | 0.032          | 0.033 | 0.001                 | -0.001                     | 01/01/2022 | 13:00     |
| 10  | M5343-01MS | 40         | 2  | 2.51                | 100            | 7.39    | 1.92     | 0.030          | 0.262 | 0.232                 | 0.300                      | 01/01/2022 | 13:02     |
| 11  | M5343-01MS | 1284       | 40 | 2.53                | 100            | 7.28    | 1.75     | 0.025          | 0.629 | 0.604                 | 0.783                      | 01/01/2022 | 13:03     |
| 12  | M5343-01MS | 40         | 2  | 2.54                | 100            | 7.18    | 1.92     | 0.031          | 0.351 | 0.320                 | 0.414                      | 01/01/2022 | 13:04     |
| 13  | M5343-02   |            | 1  | 2.56                | 100            | 7.34    | 1.85     | 0.038          | 0.040 | 0.002                 | 0.001                      | 01/01/2022 | 13:05     |
| 14  | M5343-03   |            | 1  | 2.55                | 100            | 7.16    | 2.05     | 0.012          | 0.013 | 0.001                 | -0.001                     | 01/01/2022 | 13:06     |
| 15  | M5343-04   |            | 1  | 2.52                | 100            | 7.35    | 1.88     | 0.019          | 0.020 | 0.001                 | -0.001                     | 01/01/2022 | 13:07     |
| 16  | CCV2       | 0.5        | 1  | 100                 | 100            | 7.24    | 1.74     | 0.000          | 0.377 | 0.377                 | 0.488                      | 01/01/2022 | 13:08     |
| 17  | CCB2       |            | 1  | 100                 | 100            | 7.14    | 1.92     | 0.000          | 0.001 | 0.001                 | -0.001                     | 01/01/2022 | 13:09     |
| 18  | M5343-05   |            | 1  | 2.53                | 100            | 7.36    | 1.74     | 0.022          | 0.030 | 0.008                 | 0.009                      | 01/01/2022 | 13:10     |
| 19  | M5343-06   |            | 1  | 2.57                | 100            | 7.20    | 1.92     | 0.013          | 0.014 | 0.001                 | -0.001                     | 01/01/2022 | 13:11     |
| 20  | M5343-07   |            | 1  | 2.55                | 100            | 7.14    | 2.30     | 0.022          | 0.023 | 0.001                 | -0.001                     | 01/01/2022 | 13:12     |
| 21  | M5343-08   |            | 1  | 2.54                | 100            | 7.34    | 2.14     | 0.035          | 0.037 | 0.002                 | 0.001                      | 01/01/2022 | 13:13     |
| 22  | M5343-09   |            | 1  | 2.56                | 100            | 7.58    | 2.20     | 0.012          | 0.012 | 0.000                 | -0.002                     | 01/01/2022 | 13:15     |
| 23  | M5343-10   |            | 1  | 2.58                | 100            | 7.64    | 1.88     | 0.013          | 0.013 | 0.000                 | -0.002                     | 01/01/2022 | 13:16     |
| 24  | M5343-11   |            | 1  | 2.59                | 100            | 7.19    | 1.74     | 0.015          | 0.016 | 0.001                 | -0.001                     | 01/01/2022 | 13:17     |
| 25  | M5343-12   |            | 1  | 2.55                | 100            | 7.05    | 1.92     | 0.016          | 0.016 | 0.000                 | -0.002                     | 01/01/2022 | 13:18     |
| 26  | CCV3       | 0.5        | 1  | 100                 | 100            | 7.34    | 1.82     | 0.000          | 0.379 | 0.379                 | 0.491                      | 01/01/2022 | 13:19     |
| 27  | CCB3       |            | 1  | 100                 | 100            | 7.18    | 1.74     | 0.000          | 0.001 | 0.001                 | -0.001                     | 01/01/2022 | 13:20     |