

## Analytical Summary Report

Analysis Method: 7196A

ANALYST: ketankumar

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY: mohammad

Run Number: LB121033

pH Meter ID: WC pH Meter-1

| Reagent/Standard                  | Lot/Log # |
|-----------------------------------|-----------|
| hexavalent chromium color reagent | WP97820   |
| 5N sulfuric acid                  | WP96514   |
| HNO3 Hex-Chrome, 5M               | WP96513   |
| Hexchrome Cleaning Solution       | WP95568   |

Intercept: 0.0013

Slope: 0.7645

Regression: 0.999996

| 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            | 7.20    | 2.08     | 0.000           | 0.001 | 0.001                 | -0.00         |      | 07/12/2022 | 14:15     |
| 2   | CAL2   | 0.01              | 1  | 100              | 100            | 7.36    | 1.79     | 0.000           | 0.008 | 0.008                 | 0.008         | 20   | 07/12/2022 | 14:16     |
| 3   | CAL3   | 0.025             | 1  | 100              | 100            | 7.18    | 1.95     | 0.000           | 0.020 | 0.020                 | 0.024         | 4    | 07/12/2022 | 14:17     |
| 4   | CAL4   | 0.05              | 1  | 100              | 100            | 7.45    | 1.82     | 0.000           | 0.040 | 0.040                 | 0.050         | 0    | 07/12/2022 | 14:18     |
| 5   | CAL5   | 0.1               | 1  | 100              | 100            | 7.62    | 2.30     | 0.000           | 0.078 | 0.078                 | 0.100         | 0    | 07/12/2022 | 14:20     |
| 6   | CAL6   | 0.5               | 1  | 100              | 100            | 7.50    | 2.15     | 0.000           | 0.385 | 0.385                 | 0.501         | -0.2 | 07/12/2022 | 14:21     |
| 7   | CAL7   | 1                 | 1  | 100              | 100            | 7.15    | 2.30     | 0.000           | 0.765 | 0.765                 | 0.998         | 0.2  | 07/12/2022 | 14:25     |

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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            | 7.32    | 1.87     | 0.000          | 0.382 | 0.382                 | 0.498                      | 07/12/2022 | 14:26     |
| 2   | ICB        |            | 1  | 100                 | 100            | 7.28    | 1.96     | 0.000          | 0.002 | 0.002                 | 0.001                      | 07/12/2022 | 14:27     |
| 3   | CCV1       | 0.5        | 1  | 100                 | 100            | 7.52    | 1.85     | 0.000          | 0.377 | 0.377                 | 0.491                      | 07/12/2022 | 14:28     |
| 4   | CCB1       |            | 1  | 100                 | 100            | 7.41    | 2.08     | 0.000          | 0.001 | 0.001                 | 0.000                      | 07/12/2022 | 14:29     |
| 5   | RL Check   | 0.01       | 1  | 100                 | 100            | 7.60    | 2.30     | 0.000          | 0.010 | 0.010                 | 0.011                      | 07/12/2022 | 14:30     |
| 6   | PB146154BL |            | 1  | 2.50                | 100            | 7.71    | 2.15     | 0.000          | 0.002 | 0.002                 | 0.001                      | 07/12/2022 | 14:31     |
| 7   | PB146154BS | 20         | 1  | 2.50                | 100            | 7.28    | 2.20     | 0.000          | 0.357 | 0.357                 | 0.465                      | 07/12/2022 | 14:32     |
| 8   | N3662-01   |            | 1  | 2.53                | 100            | 7.35    | 1.88     | 0.078          | 0.080 | 0.002                 | 0.001                      | 07/12/2022 | 14:33     |
| 9   | N3662-01DU |            | 1  | 2.52                | 100            | 7.08    | 1.74     | 0.077          | 0.079 | 0.002                 | 0.001                      | 07/12/2022 | 14:35     |
| 10  | N3662-01MS | 40         | 2  | 2.51                | 100            | 7.34    | 1.95     | 0.072          | 0.115 | 0.043                 | 0.055                      | 07/12/2022 | 14:36     |
| 11  | N3662-01MS | 1284       | 40 | 2.54                | 100            | 7.18    | 2.30     | 0.065          | 0.629 | 0.564                 | 0.736                      | 07/12/2022 | 14:37     |
| 12  | N3662-01MS | 40         | 2  | 2.57                | 100            | 7.28    | 2.18     | 0.071          | 0.182 | 0.111                 | 0.143                      | 07/12/2022 | 14:38     |
| 13  | N3662-02   |            | 1  | 2.56                | 100            | 7.62    | 1.74     | 0.085          | 0.087 | 0.002                 | 0.001                      | 07/12/2022 | 14:39     |
| 14  | N3662-03   |            | 1  | 2.58                | 100            | 7.46    | 1.95     | 0.058          | 0.059 | 0.001                 | 0.000                      | 07/12/2022 | 14:40     |
| 15  | N3662-04   |            | 1  | 2.59                | 100            | 7.52    | 1.85     | 0.072          | 0.073 | 0.001                 | 0.000                      | 07/12/2022 | 14:42     |
| 16  | CCV2       | 0.5        | 1  | 100                 | 100            | 7.65    | 2.08     | 0.000          | 0.379 | 0.379                 | 0.494                      | 07/12/2022 | 14:43     |
| 17  | CCB2       |            | 1  | 100                 | 100            | 7.42    | 2.10     | 0.000          | 0.002 | 0.002                 | 0.001                      | 07/12/2022 | 14:44     |
| 18  | N3662-05   |            | 1  | 2.57                | 100            | 7.25    | 2.34     | 0.068          | 0.070 | 0.002                 | 0.001                      | 07/12/2022 | 14:45     |
| 19  | N3663-01   |            | 1  | 2.56                | 100            | 7.36    | 1.87     | 0.064          | 0.065 | 0.001                 | 0.000                      | 07/12/2022 | 14:46     |
| 20  | CCV3       | 0.5        | 1  | 100                 | 100            | 7.41    | 1.96     | 0.000          | 0.378 | 0.378                 | 0.493                      | 07/12/2022 | 14:47     |
| 21  | CCB3       |            | 1  | 100                 | 100            | 7.25    | 2.05     | 0.000          | 0.002 | 0.002                 | 0.001                      | 07/12/2022 | 14:48     |