

# Analytical Summary Report

Analysis Method: 7196A

ANALYST: ketankumar

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY: apatel

Run Number: LB115574

pH Meter ID: WC pH Meter-1

| Reagent/Standard                  | Lot/Log # |
|-----------------------------------|-----------|
| hexavalent chromium color reagent | WP92178   |
| 5N sulfuric acid                  | WP90754   |
| HNO3 Hex-Chrome, 5M               | WP90753   |
| Hexchrome Cleaning Solution       | WP89916   |

Intercept: 0.0012

Slope: 0.7642

Regression: 0.999998

| 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    | 2.08     | 0.000           | 0.002 | 0.002                 | 0.001         |     | 07/28/2021 | 11:40     |
| 2   | CAL2   | 0.01              | 1  | 100              | 100            | 7.32    | 1.98     | 0.000           | 0.008 | 0.008                 | 0.008         | 20  | 07/28/2021 | 11:41     |
| 3   | CAL3   | 0.025             | 1  | 100              | 100            | 7.25    | 1.75     | 0.000           | 0.020 | 0.020                 | 0.024         | 4   | 07/28/2021 | 11:42     |
| 4   | CAL4   | 0.05              | 1  | 100              | 100            | 7.48    | 1.80     | 0.000           | 0.039 | 0.039                 | 0.049         | 2   | 07/28/2021 | 11:43     |
| 5   | CAL5   | 0.1               | 1  | 100              | 100            | 7.62    | 2.19     | 0.000           | 0.078 | 0.078                 | 0.100         | 0   | 07/28/2021 | 11:44     |
| 6   | CAL6   | 0.5               | 1  | 100              | 100            | 7.50    | 2.34     | 0.000           | 0.384 | 0.384                 | 0.500         | 0   | 07/28/2021 | 11:45     |
| 7   | CAL7   | 1                 | 1  | 100              | 100            | 7.71    | 2.20     | 0.000           | 0.765 | 0.765                 | 0.999         | 0.1 | 07/28/2021 | 11:46     |

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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            | 7.62    | 2.26     | 0.000          | 0.385 | 0.385                 | 0.502                      | 07/28/2021 | 11:47     |
| 2   | ICB        |            | 1  | 100                 | 100            | 7.51    | 1.95     | 0.000          | 0.001 | 0.001                 | 0.000                      | 07/28/2021 | 11:48     |
| 3   | CCV1       | 0.5        | 1  | 100                 | 100            | 7.43    | 1.84     | 0.000          | 0.381 | 0.381                 | 0.497                      | 07/28/2021 | 11:49     |
| 4   | CCB1       |            | 1  | 100                 | 100            | 7.27    | 1.74     | 0.000          | 0.002 | 0.002                 | 0.001                      | 07/28/2021 | 11:50     |
| 5   | RL Check   | 0.01       | 1  | 100                 | 100            | 7.43    | 2.09     | 0.000          | 0.010 | 0.010                 | 0.012                      | 07/28/2021 | 11:51     |
| 6   | PB137984BL |            | 1  | 2.50                | 100            | 7.62    | 1.88     | 0.000          | 0.001 | 0.001                 | 0.000                      | 07/28/2021 | 11:52     |
| 7   | PB137984BS | 20         | 1  | 2.50                | 100            | 7.51    | 1.96     | 0.002          | 0.355 | 0.353                 | 0.460                      | 07/28/2021 | 11:53     |
| 8   | M3183-01   |            | 1  | 2.53                | 100            | 7.62    | 1.74     | 0.020          | 0.021 | 0.001                 | 0.000                      | 07/28/2021 | 11:54     |
| 9   | M3183-01DU |            | 1  | 2.52                | 100            | 7.75    | 2.09     | 0.019          | 0.020 | 0.001                 | 0.000                      | 07/28/2021 | 11:55     |
| 10  | M3183-01MS | 40         | 2  | 2.51                | 100            | 7.29    | 2.15     | 0.017          | 0.207 | 0.190                 | 0.247                      | 07/28/2021 | 11:56     |
| 11  | M3183-01MS | 1284       | 40 | 2.53                | 100            | 7.18    | 2.30     | 0.015          | 0.638 | 0.623                 | 0.814                      | 07/28/2021 | 11:57     |
| 12  | M3183-01MS | 40         | 2  | 2.54                | 100            | 7.34    | 2.25     | 0.018          | 0.316 | 0.298                 | 0.388                      | 07/28/2021 | 11:58     |
| 13  | M3184-04   |            | 1  | 2.56                | 100            | 7.61    | 2.10     | 0.037          | 0.039 | 0.002                 | 0.001                      | 07/28/2021 | 11:59     |
| 14  | M3184-05   |            | 1  | 2.55                | 100            | 7.48    | 1.95     | 0.057          | 0.058 | 0.001                 | 0.000                      | 07/28/2021 | 12:00     |
| 15  | M3184-06   |            | 1  | 2.56                | 100            | 7.67    | 1.85     | 0.045          | 0.046 | 0.001                 | 0.000                      | 07/28/2021 | 12:02     |
| 16  | CCV2       | 0.5        | 1  | 100                 | 100            | 7.52    | 1.74     | 0.000          | 0.379 | 0.379                 | 0.494                      | 07/28/2021 | 12:03     |
| 17  | CCB2       |            | 1  | 100                 | 100            | 7.40    | 2.03     | 0.000          | 0.001 | 0.001                 | 0.000                      | 07/28/2021 | 12:04     |
| 18  | M3186-01   |            | 1  | 2.55                | 100            | 7.34    | 2.10     | 0.044          | 0.045 | 0.001                 | 0.000                      | 07/28/2021 | 12:05     |
| 19  | M3186-03   |            | 1  | 2.57                | 100            | 7.27    | 1.98     | 0.006          | 0.018 | 0.012                 | 0.014                      | 07/28/2021 | 12:06     |
| 20  | M3186-05   |            | 1  | 2.55                | 100            | 7.19    | 1.78     | 0.011          | 0.011 | 0.000                 | -0.002                     | 07/28/2021 | 12:07     |
| 21  | CCV3       | 0.5        | 1  | 100                 | 100            | 7.27    | 1.85     | 0.000          | 0.380 | 0.380                 | 0.496                      | 07/28/2021 | 12:08     |
| 22  | CCB3       |            | 1  | 100                 | 100            | 7.34    | 2.36     | 0.000          | 0.002 | 0.002                 | 0.001                      | 07/28/2021 | 12:08     |