



## Analytical Summary Report

Analysis Method: 7196A

ANALYST: ketankumar

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY: apatel

Run Number: LB115395

pH Meter ID: WC pH Meter-1

| Reagent/Standard                  | Lot/Log # |
|-----------------------------------|-----------|
| hexavalent chromium color reagent | WP92054   |
| 5N sulfuric acid                  | WP90754   |
| HNO3 Hex-Chrome, 5M               | WP90753   |
| Hexchrome Cleaning Solution       | WP89916   |

Intercept: 0.001

Slope: 0.7644

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            | 7.14    | 2.10     | 0.000           | 0.001 | 0.001                 | 0             |      | 07/16/2021 | 15:30     |
| 2   | CAL2   | 0.01              | 1  | 100              | 100            | 7.30    | 1.98     | 0.000           | 0.008 | 0.008                 | 0.009         | 10   | 07/16/2021 | 15:30     |
| 3   | CAL3   | 0.025             | 1  | 100              | 100            | 7.25    | 1.75     | 0.000           | 0.020 | 0.020                 | 0.024         | 4    | 07/16/2021 | 15:31     |
| 4   | CAL4   | 0.05              | 1  | 100              | 100            | 7.41    | 1.85     | 0.000           | 0.039 | 0.039                 | 0.049         | 2    | 07/16/2021 | 15:32     |
| 5   | CAL5   | 0.1               | 1  | 100              | 100            | 7.52    | 2.09     | 0.000           | 0.078 | 0.078                 | 0.100         | 0    | 07/16/2021 | 15:33     |
| 6   | CAL6   | 0.5               | 1  | 100              | 100            | 7.29    | 2.19     | 0.000           | 0.384 | 0.384                 | 0.501         | -0.2 | 07/16/2021 | 15:34     |
| 7   | CAL7   | 1                 | 1  | 100              | 100            | 7.10    | 2.28     | 0.000           | 0.765 | 0.765                 | 0.999         | 0.1  | 07/16/2021 | 15:35     |

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Run Number: LB115395

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            | 7.35    | 2.08     | 0.000          | 0.382 | 0.382                 | 0.498                      | 07/16/2021 | 15:36     |
| 2   | ICB        |            | 1  | 100                 | 100            | 7.28    | 2.14     | 0.000          | 0.002 | 0.002                 | 0.001                      | 07/16/2021 | 15:37     |
| 3   | CCV1       | 0.5        | 1  | 100                 | 100            | 7.58    | 2.35     | 0.000          | 0.379 | 0.379                 | 0.495                      | 07/16/2021 | 15:38     |
| 4   | CCB1       |            | 1  | 100                 | 100            | 7.74    | 1.98     | 0.000          | 0.001 | 0.001                 | 0.000                      | 07/16/2021 | 15:39     |
| 5   | RL Check   | 0.01       | 1  | 100                 | 100            | 7.64    | 1.74     | 0.000          | 0.009 | 0.009                 | 0.010                      | 07/16/2021 | 15:40     |
| 6   | PB137741BL |            | 1  | 2.50                | 100            | 7.52    | 1.85     | 0.000          | 0.002 | 0.002                 | 0.001                      | 07/16/2021 | 15:41     |
| 7   | PB137741BS | 20         | 1  | 2.50                | 100            | 7.35    | 2.09     | 0.003          | 0.355 | 0.352                 | 0.459                      | 07/16/2021 | 15:42     |
| 8   | M3014-01   |            | 1  | 2.53                | 100            | 7.27    | 2.15     | 0.047          | 0.048 | 0.001                 | 0.000                      | 07/16/2021 | 15:43     |
| 9   | M3040-01   |            | 1  | 2.52                | 100            | 7.19    | 2.36     | 0.066          | 0.068 | 0.002                 | 0.001                      | 07/16/2021 | 15:44     |
| 10  | M3040-01DU |            | 1  | 2.51                | 100            | 7.14    | 2.28     | 0.065          | 0.067 | 0.002                 | 0.001                      | 07/16/2021 | 15:45     |
| 11  | M3040-01MS | 40         | 2  | 2.53                | 100            | 7.50    | 2.07     | 0.060          | 0.117 | 0.057                 | 0.073                      | 07/16/2021 | 15:46     |
| 12  | M3040-01MS | 1284       | 40 | 2.50                | 100            | 7.62    | 2.19     | 0.055          | 0.640 | 0.585                 | 0.764                      | 07/16/2021 | 15:47     |
| 13  | M3040-01MS | 40         | 2  | 2.51                | 100            | 7.47    | 2.35     | 0.061          | 0.167 | 0.106                 | 0.137                      | 07/16/2021 | 15:48     |
| 14  | M3043-01   |            | 1  | 2.55                | 100            | 7.78    | 2.24     | 0.074          | 0.076 | 0.002                 | 0.001                      | 07/16/2021 | 15:49     |
| 15  | M3046-01   |            | 1  | 2.56                | 100            | 7.80    | 2.14     | 0.018          | 0.018 | 0.000                 | -0.001                     | 07/16/2021 | 15:50     |
| 16  | CCV2       | 0.5        | 1  | 100                 | 100            | 7.52    | 2.08     | 0.000          | 0.381 | 0.381                 | 0.497                      | 07/16/2021 | 15:51     |
| 17  | CCB2       |            | 1  | 100                 | 100            | 7.46    | 2.14     | 0.000          | 0.002 | 0.002                 | 0.001                      | 07/16/2021 | 15:52     |
| 18  | M3047-01   |            | 1  | 2.53                | 100            | 7.38    | 2.35     | 0.020          | 0.021 | 0.001                 | 0.000                      | 07/16/2021 | 15:53     |
| 19  | M3048-01   |            | 1  | 2.55                | 100            | 7.40    | 2.20     | 0.022          | 0.023 | 0.001                 | 0.000                      | 07/16/2021 | 15:54     |
| 20  | M3049-01   |            | 1  | 2.54                | 100            | 7.28    | 1.98     | 0.064          | 0.065 | 0.001                 | 0.000                      | 07/16/2021 | 15:55     |
| 21  | M3050-01   |            | 1  | 2.53                | 100            | 7.37    | 1.74     | 0.036          | 0.037 | 0.001                 | 0.000                      | 07/16/2021 | 15:56     |
| 22  | M3065-01   |            | 1  | 2.55                | 100            | 7.49    | 1.85     | 0.042          | 0.043 | 0.001                 | 0.000                      | 07/16/2021 | 15:57     |
| 23  | M3076-01   |            | 1  | 2.57                | 100            | 7.62    | 2.08     | 0.060          | 0.062 | 0.002                 | 0.001                      | 07/16/2021 | 15:58     |
| 24  | M3076-02   |            | 1  | 2.59                | 100            | 7.58    | 1.88     | 0.029          | 0.030 | 0.001                 | 0.000                      | 07/16/2021 | 15:59     |
| 25  | M3076-03   |            | 1  | 2.55                | 100            | 7.47    | 1.74     | 0.063          | 0.065 | 0.002                 | 0.001                      | 07/16/2021 | 16:00     |
| 26  | M3083-01   |            | 1  | 2.58                | 100            | 7.78    | 1.95     | 0.018          | 0.018 | 0.000                 | -0.001                     | 07/16/2021 | 16:01     |
| 27  | CCV3       | 0.5        | 1  | 100                 | 100            | 7.60    | 2.09     | 0.000          | 0.384 | 0.384                 | 0.501                      | 07/16/2021 | 16:02     |
| 28  | CCB3       |            | 1  | 100                 | 100            | 7.28    | 1.96     | 0.000          | 0.002 | 0.002                 | 0.001                      | 07/16/2021 | 16:02     |