

# Analytical Summary Report

Analysis Method: 7196A

ANALYST: ketankumar

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY: apatel

Run Number: LB114831

pH Meter ID: WC pH Meter-1

| Reagent/Standard                  | Lot/Log # |
|-----------------------------------|-----------|
| hexavalent chromium color reagent | WP91407   |
| 5N sulfuric acid                  | WP90754   |
| HNO3 Hex-Chrome, 5M               | WP90753   |
| Hexchrome Cleaning Solution       | WP89916   |

Intercept: 0.0016

Slope: 0.7649

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                 | 0.000         |      | 06/07/2021 | 14:25     |
| 2   | CAL2   | 0.01              | 1  | 100              | 100            | 7.36    | 2.18     | 0.000           | 0.009 | 0.009                 | 0.009         | 10   | 06/07/2021 | 14:26     |
| 3   | CAL3   | 0.025             | 1  | 100              | 100            | 7.20    | 2.36     | 0.000           | 0.020 | 0.020                 | 0.024         | 4    | 06/07/2021 | 14:27     |
| 4   | CAL4   | 0.05              | 1  | 100              | 100            | 7.41    | 2.41     | 0.000           | 0.040 | 0.040                 | 0.050         | 0    | 06/07/2021 | 14:28     |
| 5   | CAL5   | 0.1               | 1  | 100              | 100            | 7.62    | 2.09     | 0.000           | 0.078 | 0.078                 | 0.099         | 1    | 06/07/2021 | 14:29     |
| 6   | CAL6   | 0.5               | 1  | 100              | 100            | 7.50    | 1.78     | 0.000           | 0.385 | 0.385                 | 0.501         | -0.2 | 06/07/2021 | 14:30     |
| 7   | CAL7   | 1                 | 1  | 100              | 100            | 7.28    | 1.95     | 0.000           | 0.766 | 0.766                 | 0.999         | 0.1  | 06/07/2021 | 14:31     |

Analysis Method: 7196A

ANALYST: ketankumar

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY: apatel

Run Number: LB114831

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            | 7.74    | 2.15     | 0.000          | 0.384 | 0.384                 | 0.500                      | 06/07/2021 | 14:35     |
| 2   | ICB        |            | 1  | 100                 | 100            | 7.52    | 2.35     | 0.000          | 0.001 | 0.001                 | -0.001                     | 06/07/2021 | 14:36     |
| 3   | CCV1       | 0.5        | 1  | 100                 | 100            | 7.63    | 2.26     | 0.000          | 0.382 | 0.382                 | 0.497                      | 06/07/2021 | 14:37     |
| 4   | CCB1       |            | 1  | 100                 | 100            | 7.74    | 1.89     | 0.000          | 0.002 | 0.002                 | 0.001                      | 06/07/2021 | 14:38     |
| 5   | RL Check   | 0.01       | 1  | 100                 | 100            | 7.25    | 1.74     | 0.000          | 0.008 | 0.008                 | 0.008                      | 06/07/2021 | 14:39     |
| 6   | PB136910BL |            | 1  | 2.50                | 100            | 7.30    | 1.85     | 0.000          | 0.001 | 0.001                 | -0.001                     | 06/07/2021 | 14:40     |
| 7   | PB136910BS | 20         | 1  | 2.50                | 100            | 7.41    | 2.09     | 0.002          | 0.353 | 0.351                 | 0.457                      | 06/07/2021 | 14:42     |
| 8   | M2625-01   |            | 1  | 2.53                | 100            | 7.52    | 2.34     | 0.025          | 0.026 | 0.001                 | -0.001                     | 06/07/2021 | 14:43     |
| 9   | M2625-01DU |            | 1  | 2.52                | 100            | 7.60    | 2.16     | 0.024          | 0.025 | 0.001                 | -0.001                     | 06/07/2021 | 14:44     |
| 10  | M2625-01MS | 40         | 2  | 2.51                | 100            | 7.74    | 2.20     | 0.021          | 0.115 | 0.094                 | 0.121                      | 06/07/2021 | 14:45     |
| 11  | M2625-01MS | 1284       | 40 | 2.53                | 100            | 7.34    | 2.41     | 0.015          | 0.654 | 0.639                 | 0.833                      | 06/07/2021 | 14:46     |
| 12  | M2625-01MS | 40         | 2  | 2.50                | 100            | 7.40    | 2.36     | 0.020          | 0.182 | 0.162                 | 0.210                      | 06/07/2021 | 14:47     |
| 13  | M2625-02   |            | 1  | 2.51                | 100            | 7.30    | 2.29     | 0.030          | 0.032 | 0.002                 | 0.001                      | 06/07/2021 | 14:48     |
| 14  | M2625-03   |            | 1  | 2.50                | 100            | 7.20    | 1.98     | 0.041          | 0.042 | 0.001                 | -0.001                     | 06/07/2021 | 14:49     |
| 15  | M2625-04   |            | 1  | 2.52                | 100            | 7.62    | 1.78     | 0.029          | 0.030 | 0.001                 | -0.001                     | 06/07/2021 | 14:50     |
| 16  | CCV2       | 0.5        | 1  | 100                 | 100            | 7.40    | 1.80     | 0.000          | 0.382 | 0.382                 | 0.497                      | 06/07/2021 | 14:51     |
| 17  | CCB2       |            | 1  | 100                 | 100            | 7.50    | 2.09     | 0.000          | 0.002 | 0.002                 | 0.001                      | 06/07/2021 | 14:52     |
| 18  | M2625-05   |            | 1  | 2.53                | 100            | 7.62    | 1.88     | 0.053          | 0.055 | 0.002                 | 0.001                      | 06/07/2021 | 14:53     |
| 19  | M2625-06   |            | 1  | 2.57                | 100            | 7.41    | 1.74     | 0.062          | 0.063 | 0.001                 | -0.001                     | 06/07/2021 | 14:54     |
| 20  | M2625-07   |            | 1  | 2.55                | 100            | 7.32    | 1.90     | 0.019          | 0.019 | 0.000                 | -0.002                     | 06/07/2021 | 14:55     |
| 21  | M2625-08   |            | 1  | 2.52                | 100            | 7.10    | 2.06     | 0.040          | 0.042 | 0.002                 | 0.001                      | 06/07/2021 | 14:56     |
| 22  | M2625-09   |            | 1  | 2.55                | 100            | 7.28    | 2.17     | 0.034          | 0.035 | 0.001                 | -0.001                     | 06/07/2021 | 14:57     |
| 23  | M2625-10   |            | 1  | 2.57                | 100            | 7.30    | 2.36     | 0.027          | 0.028 | 0.001                 | -0.001                     | 06/07/2021 | 14:58     |
| 24  | M2625-11   |            | 1  | 2.58                | 100            | 7.46    | 2.42     | 0.045          | 0.047 | 0.002                 | 0.001                      | 06/07/2021 | 14:59     |
| 25  | M2625-12   |            | 1  | 2.54                | 100            | 7.65    | 2.26     | 0.033          | 0.035 | 0.002                 | 0.001                      | 06/07/2021 | 15:00     |
| 26  | M2625-13   |            | 1  | 2.57                | 100            | 7.48    | 1.87     | 0.024          | 0.025 | 0.001                 | -0.001                     | 06/07/2021 | 15:02     |
| 27  | M2625-14   |            | 1  | 2.56                | 100            | 7.35    | 1.95     | 0.018          | 0.018 | 0.000                 | -0.002                     | 06/07/2021 | 15:03     |
| 28  | CCV3       | 0.5        | 1  | 100                 | 100            | 7.41    | 1.82     | 0.000          | 0.381 | 0.381                 | 0.496                      | 06/07/2021 | 15:04     |
| 29  | CCB3       |            | 1  | 100                 | 100            | 7.55    | 1.77     | 0.000          | 0.002 | 0.002                 | 0.001                      | 06/07/2021 | 15:05     |
| 30  | M2625-15   |            | 1  | 2.54                | 100            | 7.75    | 1.95     | 0.037          | 0.039 | 0.002                 | 0.001                      | 06/07/2021 | 15:06     |
| 31  | M2625-16   |            | 1  | 2.53                | 100            | 7.25    | 2.08     | 0.017          | 0.017 | 0.000                 | -0.002                     | 06/07/2021 | 15:07     |
| 32  | M2625-17   |            | 1  | 2.56                | 100            | 7.36    | 1.85     | 0.029          | 0.030 | 0.001                 | -0.001                     | 06/07/2021 | 15:08     |
| 33  | M2625-18   |            | 1  | 2.55                | 100            | 7.52    | 1.74     | 0.046          | 0.047 | 0.001                 | -0.001                     | 06/07/2021 | 15:09     |
| 34  | M2625-19   |            | 1  | 2.54                | 100            | 7.48    | 1.95     | 0.028          | 0.030 | 0.002                 | 0.001                      | 06/07/2021 | 15:10     |
| 35  | M2625-20   |            | 1  | 2.53                | 100            | 7.36    | 2.14     | 0.022          | 0.023 | 0.001                 | -0.001                     | 06/07/2021 | 15:12     |
| 36  | CCV4       | 0.5        | 1  | 100                 | 100            | 7.28    | 2.34     | 0.000          | 0.380 | 0.380                 | 0.495                      | 06/07/2021 | 15:13     |
| 37  | CCB4       |            | 1  | 100                 | 100            | 7.17    | 2.28     | 0.000          | 0.002 | 0.002                 | 0.001                      | 06/07/2021 | 15:15     |