



## Analytical Summary Report

Analysis Method: 7196A

ANALYST: Rubina

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY: Iwona

Run Number: LB127593

pH Meter ID: WC pH Meter-1

| Reagent/Standard                  | Lot/Log # |
|-----------------------------------|-----------|
| hexavalent chromium color reagent | WP104396  |
| 5N sulfuric acid                  | WP102263  |
| HNO3 Hex-Chrome, 5M               | WP102262  |
| Hexchrome Cleaning Solution       | WP103556  |

Intercept: 0.0011

Slope: 0.7636

Regression: 0.999997

| 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            | 7.27    | 1.86     | 0.000           | 0.000 | 0.000                 | -0.00         |      | 10/03/2023 | 10:45     |
| 2   | CAL2   | 0.01              | 1  | 100              | 100            | 7.38    | 1.87     | 0.000           | 0.009 | 0.009                 | 0.010         | 0    | 10/03/2023 | 10:46     |
| 3   | CAL3   | 0.025             | 1  | 100              | 100            | 7.36    | 1.88     | 0.000           | 0.020 | 0.020                 | 0.024         | -4   | 10/03/2023 | 10:47     |
| 4   | CAL4   | 0.05              | 1  | 100              | 100            | 7.38    | 1.86     | 0.000           | 0.039 | 0.039                 | 0.049         | -2   | 10/03/2023 | 10:48     |
| 5   | CAL5   | 0.1               | 1  | 100              | 100            | 7.37    | 1.88     | 0.000           | 0.078 | 0.078                 | 0.100         | 0    | 10/03/2023 | 10:49     |
| 6   | CAL6   | 0.5               | 1  | 100              | 100            | 7.41    | 1.91     | 0.000           | 0.384 | 0.384                 | 0.501         | 0.2  | 10/03/2023 | 10:50     |
| 7   | CAL7   | 1                 | 1  | 100              | 100            | 7.37    | 1.87     | 0.000           | 0.764 | 0.764                 | 0.999         | -0.1 | 10/03/2023 | 10:51     |



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Run Number: LB127593

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            | 7.41    | 1.92     | 0.000          | 0.385 | 0.385                 | 0.503                      | 10/03/2023 | 10:52     |
| 2   | ICB        |            | 1  | 100                 | 100            | 7.28    | 1.76     | 0.000          | 0.001 | 0.001                 | 0.000                      | 10/03/2023 | 10:53     |
| 3   | CCV1       | 0.5        | 1  | 100                 | 100            | 7.42    | 1.93     | 0.000          | 0.383 | 0.383                 | 0.500                      | 10/03/2023 | 10:54     |
| 4   | CCB1       |            | 1  | 100                 | 100            | 7.26    | 1.78     | 0.000          | 0.001 | 0.001                 | 0.000                      | 10/03/2023 | 10:55     |
| 5   | RL Check   | 0.01       | 1  | 100                 | 100            | 7.40    | 1.91     | 0.000          | 0.009 | 0.009                 | 0.010                      | 10/03/2023 | 10:56     |
| 6   | PB155964BL |            | 1  | 2.50                | 100            | 7.27    | 1.80     | 0.000          | 0.001 | 0.001                 | 0.000                      | 10/03/2023 | 10:57     |
| 7   | PB155964BS | 20         | 1  | 2.50                | 100            | 7.42    | 1.91     | 0.000          | 0.384 | 0.384                 | 0.501                      | 10/03/2023 | 10:58     |
| 8   | O4666-01   |            | 1  | 2.52                | 100            | 7.60    | 2.08     | 0.006          | 0.007 | 0.001                 | 0.000                      | 10/03/2023 | 10:59     |
| 9   | O4691-01   |            | 1  | 2.54                | 100            | 7.52    | 2.14     | 0.007          | 0.007 | 0.000                 | -0.001                     | 10/03/2023 | 11:00     |
| 10  | O4702-01   |            | 1  | 2.53                | 100            | 7.54    | 2.10     | 0.008          | 0.009 | 0.001                 | 0.000                      | 10/03/2023 | 11:01     |
| 11  | O4702-01DU |            | 1  | 2.53                | 100            | 7.56    | 2.12     | 0.007          | 0.008 | 0.001                 | 0.000                      | 10/03/2023 | 11:02     |
| 12  | O4702-01MS | 40         | 2  | 2.54                | 100            | 7.52    | 2.08     | 0.002          | 0.329 | 0.327                 | 0.427                      | 10/03/2023 | 10:03     |
| 13  | O4702-01MS | 1284       | 40 | 2.52                | 100            | 7.54    | 2.10     | 0.000          | 0.615 | 0.615                 | 0.804                      | 10/03/2023 | 11:04     |
| 14  | O4702-01MS | 40         | 2  | 2.54                | 100            | 7.56    | 2.14     | 0.004          | 0.388 | 0.384                 | 0.501                      | 10/03/2023 | 11:05     |
| 15  | CCV2       | 0.5        | 1  | 100                 | 100            | 7.44    | 1.94     | 0.000          | 0.383 | 0.383                 | 0.500                      | 10/03/2023 | 11:06     |
| 16  | CCB2       |            | 1  | 100                 | 100            | 7.29    | 1.79     | 0.000          | 0.001 | 0.001                 | 0.000                      | 10/03/2023 | 11:07     |