



Analytical Summary Report

Analysis Method: 7196A
Parameter: Hexavalent Chromium
Run Number: LB116925

ANALYST: ketankumar
SUPERVISOR REVIEW BY: apatel
pH Meter ID: WC pH Meter-1

| Reagent/Standard | Lot/Log # |
|-----------------------------------|-----------|
| hexavalent chromium color reagent | WP93463 |
| 5N sulfuric acid | WP90754 |
| HNO3 Hex-Chrome, 5M | WP90753 |
| Hexchrome Cleaning Solution | WP92841 |

Intercept: 0.0007

Slope: 0.7692

Regression: 0.999999

| 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 | 2.05 | 0.000 | 0.001 | 0.001 | 0.000 | | 10/20/2021 | 13:15 |
| 2 | CAL2 | 0.01 | 1 | 100 | 100 | 7.32 | 2.15 | 0.000 | 0.008 | 0.008 | 0.009 | 10 | 10/20/2021 | 13:16 |
| 3 | CAL3 | 0.025 | 1 | 100 | 100 | 7.20 | 2.30 | 0.000 | 0.020 | 0.020 | 0.025 | 0 | 10/20/2021 | 13:17 |
| 4 | CAL4 | 0.05 | 1 | 100 | 100 | 7.41 | 1.89 | 0.000 | 0.039 | 0.039 | 0.049 | 2 | 10/20/2021 | 13:18 |
| 5 | CAL5 | 0.1 | 1 | 100 | 100 | 7.62 | 1.96 | 0.000 | 0.078 | 0.078 | 0.100 | 0 | 10/20/2021 | 13:20 |
| 6 | CAL6 | 0.5 | 1 | 100 | 100 | 7.50 | 1.74 | 0.000 | 0.385 | 0.385 | 0.499 | 0.2 | 10/20/2021 | 13:21 |
| 7 | CAL7 | 1 | 1 | 100 | 100 | 7.74 | 2.14 | 0.000 | 0.770 | 0.770 | 1.000 | 0 | 10/20/2021 | 13:22 |



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Analysis Method: 7196A

ANALYST: ketankumar

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY: apatel

Run Number: LB116925

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 | 7.82 | 2.07 | 0.000 | 0.380 | 0.380 | 0.493 | 10/20/2021 | 13:25 |
| 2 | ICB | | 1 | 100 | 100 | 7.63 | 1.88 | 0.000 | 0.002 | 0.002 | 0.002 | 10/20/2021 | 13:26 |
| 3 | CCV1 | 0.5 | 1 | 100 | 100 | 7.46 | 1.98 | 0.000 | 0.378 | 0.378 | 0.491 | 10/20/2021 | 13:27 |
| 4 | CCB1 | | 1 | 100 | 100 | 7.52 | 1.74 | 0.000 | 0.001 | 0.001 | 0.000 | 10/20/2021 | 13:28 |
| 5 | RL Check | 0.01 | 1 | 100 | 100 | 7.34 | 2.14 | 0.000 | 0.010 | 0.010 | 0.012 | 10/20/2021 | 13:29 |
| 6 | PB140077BL | | 1 | 2.50 | 100 | 7.18 | 2.35 | 0.000 | 0.002 | 0.002 | 0.002 | 10/20/2021 | 13:30 |
| 7 | PB140077BS | 20 | 1 | 2.50 | 100 | 7.25 | 2.25 | 0.000 | 0.352 | 0.352 | 0.457 | 10/20/2021 | 13:31 |
| 8 | M4274-01 | | 1 | 2.53 | 100 | 7.09 | 2.14 | 0.040 | 0.042 | 0.002 | 0.002 | 10/20/2021 | 13:32 |
| 9 | M4274-01DU | | 1 | 2.52 | 100 | 7.28 | 2.35 | 0.039 | 0.040 | 0.001 | 0.000 | 10/20/2021 | 13:33 |
| 10 | M4274-01MS | 40 | 2 | 2.51 | 100 | 7.45 | 2.40 | 0.037 | 0.351 | 0.314 | 0.407 | 10/20/2021 | 13:35 |
| 11 | M4274-01MS | 1284 | 40 | 2.53 | 100 | 7.62 | 2.23 | 0.032 | 0.631 | 0.599 | 0.778 | 10/20/2021 | 13:37 |
| 12 | M4274-01MS | 40 | 2 | 2.50 | 100 | 7.52 | 2.15 | 0.036 | 0.388 | 0.352 | 0.457 | 10/20/2021 | 13:38 |
| 13 | M4274-04 | | 1 | 2.51 | 100 | 7.47 | 2.20 | 0.042 | 0.044 | 0.002 | 0.002 | 10/20/2021 | 13:40 |
| 14 | M4274-07 | | 1 | 2.50 | 100 | 7.56 | 1.95 | 0.040 | 0.042 | 0.002 | 0.002 | 10/20/2021 | 13:41 |
| 15 | M4285-01 | | 1 | 2.52 | 100 | 7.64 | 1.74 | 0.037 | 0.039 | 0.002 | 0.002 | 10/20/2021 | 13:42 |
| 16 | CCV2 | 0.5 | 1 | 100 | 100 | 7.51 | 1.65 | 0.000 | 0.379 | 0.379 | 0.492 | 10/20/2021 | 13:43 |
| 17 | CCB2 | | 1 | 100 | 100 | 7.62 | 1.78 | 0.000 | 0.002 | 0.002 | 0.002 | 10/20/2021 | 13:44 |
| 18 | M4285-04 | | 1 | 2.53 | 100 | 7.85 | 2.09 | 0.035 | 0.036 | 0.001 | 0.000 | 10/20/2021 | 13:45 |
| 19 | M4285-07 | | 1 | 2.57 | 100 | 7.74 | 2.17 | 0.017 | 0.017 | 0.000 | -0.001 | 10/20/2021 | 13:46 |
| 20 | M4285-10 | | 1 | 2.55 | 100 | 7.63 | 2.34 | 0.063 | 0.065 | 0.002 | 0.002 | 10/20/2021 | 13:47 |
| 21 | M4285-13 | | 1 | 2.54 | 100 | 7.41 | 2.20 | 0.050 | 0.052 | 0.002 | 0.002 | 10/20/2021 | 13:48 |
| 22 | M4285-16 | | 1 | 2.56 | 100 | 7.25 | 2.14 | 0.006 | 0.006 | 0.000 | -0.001 | 10/20/2021 | 13:50 |
| 23 | M4287-02 | | 1 | 2.58 | 100 | 7.14 | 2.30 | 0.018 | 0.018 | 0.000 | -0.001 | 10/20/2021 | 13:51 |
| 24 | M4287-06 | | 1 | 2.59 | 100 | 7.32 | 2.18 | 0.011 | 0.011 | 0.000 | -0.001 | 10/20/2021 | 13:52 |
| 25 | CCV3 | 0.5 | 1 | 100 | 100 | 7.18 | 2.20 | 0.000 | 0.378 | 0.378 | 0.491 | 10/20/2021 | 13:53 |
| 26 | CCB3 | | 1 | 100 | 100 | 7.20 | 1.95 | 0.000 | 0.002 | 0.002 | 0.002 | 10/20/2021 | 13:54 |