QUANTACHROME CORPORATION
Upyc 1200e V5.06
Analysis Report

Mon Oct 27 09:28:08 2025
User ID: QA

Sample Parameters
Sample ID: NACL-1
Weight: 3.4116 g
Description:
Comment:

Analysis Parameters
Cell Size - Small
V Added - Small: 13.0576 cc
V Cell: 12.9831 cc
Analysis Temperature: 22.9 C
Target Pressure: 7.0 psig
Type of gas used: Helium
Equilibration Time: Auto
Vacuum Purge: 1.0 min.
Maximum Runs: 15
Number Of Runs Averaged: 3
Deviation Requested: 0.0050 %

Analysis Results
Deviation Achieved: 0.0747 %
Average Volume: 1.5824 cc
Volume Std. Dev.: 0.0014 cc
Average Density: 2.1560 g/cc
Density Std. Dev.: 0.0020 g/cc
Coefficient of Variation: 0.0910 %

Run Data

RUN	VOLUME (cc)	DENSITY (g/cc)
1	1.5761	2.1646
2	1.5736	2.1680
3	1.5712	2.1713
4	1.6024	2.1291
5	1.5815	2.1571
6	1.5767	2.1638
7	1.5739	2.1676
8	1.5727	2.1692
9	1.5742	2.1672
10	1.5763	2.1643
11	1.5768	2.1637
12	1.6063	2.1239

13	1.5841	2.1536
14	1.5824	2.1560
15	1.5806	2.1584

QUANTACHROME CORPORATION
Upyc 1200e V5.06
Analysis Report

Mon Oct 27 10:16:07 2025
User ID: QA

Sample Parameters
- **Sample ID: NACL-1**
- **Weight: 2.2836 g**
- **Description:**
- **Comment:**

Analysis Parameters
- **Cell Size - Small**
- **V Added - Small: 13.0576 cc**
- **V Cell: 12.9831 cc**
- **Analysis Temperature: 22.6 C**
- **Target Pressure: 7.0 psig**
- **Type of gas used: Helium**
- **Equilibration Time: Auto**
- **Vacuum Purge: 1.0 min.**
- **Maximum Runs: 15**
- **Number Of Runs Averaged: 3**
- **Deviation Requested: 0.0050 %**

Analysis Results
- **Deviation Achieved: 0.8247 %**
- **Average Volume: 1.0617 cc**
- **Volume Std. Dev.: 0.0093 cc**
- **Average Density: 2.1509 g/cc**
- **Density Std. Dev.: 0.0187 g/cc**
- **Coefficient of Variation: 0.8769 %**

Run Data

RUN	VOLUME (cc)	DENSITY (g/cc)
1	1.0329	2.2107
2	1.0325	2.2117
3	1.0305	2.2160
4	1.0309	2.2150
5	1.0323	2.2121
6	1.0673	2.1395
7	1.0450	2.1852
8	1.0433	2.1888
9	1.0443	2.1866
10	1.0470	2.1810
11	1.0487	2.1775
12	1.0506	2.1735

13	1.0748	2.1246
14	1.0559	2.1627
15	1.0543	2.1659

QUANTACHROME CORPORATION
Upyc 1200e V5.06
Analysis Report

Mon Oct 27 11:22:13 2025
User ID: QA

Sample Parameters
Sample ID: NACL-3
Weight: 2.2768 g
Description:
Comment:
Analysis Parameters
Cell Size - Small
V Added - Small: 13.0576 cc
V Cell: 12.9831 cc
Analysis Temperature: 22.7 C
Target Pressure: 7.0 psig
Type of gas used: Helium
Equilibration Time: Auto
Vacuum Purge: 1.0 min.
Maximum Runs: 15
Number Of Runs Averaged: 3
Deviation Requested: 0.0050 %
Analysis Results
Deviation Achieved: 0.0768 %
Average Volume: 1.0494 cc
Volume Std. Dev.: 0.0009 cc
Average Density: 2.1695 g/cc
Density Std. Dev.: 0.0018 g/cc
Coefficient of Variation: 0.0844 %

Run Data

RUN	VOLUME (cc)	DENSITY (g/cc)
1	1.0350	2.1997
2	1.0292	2.2122
3	1.0278	2.2152
4	1.0362	2.1971
5	1.0370	2.1956
6	1.0378	2.1938
7	1.0384	2.1925
8	1.0712	2.1253
9	1.0507	2.1668
10	1.0481	2.1723
11	1.0486	2.1712
12	1.0483	2.1718

13	1.0485	2.1714
14	1.0491	2.1702
15	1.0506	2.1670

QUANTACHROME CORPORATION
Upyc 1200e V5.06
Analysis Report

Mon Oct 27 15:08:12 2025
User ID: QA

Sample Parameters
Sample ID: Picric Acid
Weight: 1.500 g
Description:
Comment: Revised weight; density unchanged

Analysis Parameters
Cell Size - Small
V Added - Small: 13.0023 cc
V Cell: 12.8800 cc
Analysis Temperature: 24.0 C
Target Pressure: 19.0 psig
Type of gas used: Helium
Equilibration Time: Auto
Flow Purge: 1.0 min.
Maximum Runs: 15
Number Of Runs Averaged: 3
Deviation Requested: 0.0050 %

Analysis Results
Deviation Achieved: 0.0418 %
Average Volume: 0.8485 cc
Volume Std. Dev.: 0.0112 cc
Average Density: 1.768 g/cc
Density Std. Dev.: 0.0210 g/cc
Coefficient of Variation: 0.0521 %

Run Data

RUN	VOLUME (cc)	DENSITY (g/cc)
1	0.9561	1.7491
2	0.9478	1.7673
3	0.9425	1.7785
4	0.9401	1.7832
5	0.9442	1.7755
6	0.9465	1.7710
7	0.9412	1.7809
8	0.9434	1.7768
9	0.9471	1.7699
10	0.9429	1.7776
11	0.9406	1.7822
12	0.9469	1.7703
13	0.9447	1.7743
14	0.9419	1.7794
15	0.9456	1.7725

QUANTACHROME CORPORATION
Upyc 1200e V5.06
Analysis Report

Tue Oct 28 10:22:26 2025
User ID: QA

Sample Parameters
Sample ID: VSP-C1
Weight: 1.7140 g
Description:
Comment:

Analysis Parameters
Cell Size - Small
V Added - Small: 12.9956 cc
V Cell: 12.8803 cc
Analysis Temperature: 23.4 C
Target Pressure: 19.0 psig
Type of gas used: Helium
Equilibration Time: Auto
Flow Purge: 1.0 min.
Maximum Runs: 15
Number Of Runs Averaged: 3
Deviation Requested: 0.0050 %

Analysis Results
Deviation Achieved: 0.0398 %
Average Volume: 0.9260 cc
Volume Std. Dev.: 0.0098 cc
Average Density: 1.8500 g/cc
Density Std. Dev.: 0.0182 g/cc
Coefficient of Variation: 0.045 %

Run Data

RUN	VOLUME (cc)	DENSITY (g/cc)
1	0.9420	1.8190
2	0.9390	1.8245
3	0.9355	1.8320
4	0.9330	1.8380
5	0.9290	1.8445
6	0.9280	1.8485
7	0.9275	1.8510
8	0.9268	1.8498
9	0.9263	1.8522
10	0.9258	1.8545
11	0.9252	1.8538
12	0.9250	1.8550
13	0.9247	1.8563
14	0.9244	1.8549
15	0.9240	1.8572

QUANTACHROME CORPORATION
Upyc 1200e V5.06
Analysis Report

Tue Oct 28 09:45:12 2025
User ID: QA

Sample Parameters
Sample ID: VSP-C2
Weight: 1.6491 g
Description:
Comment:

Analysis Parameters
Cell Size - Small
V Added - Small: 12.9956 cc
V Cell: 12.8803 cc
Analysis Temperature: 23.4 C
Target Pressure: 19.0 psig
Type of gas used: Helium
Equilibration Time: Auto
Flow Purge: 1.0 min.
Maximum Runs: 15
Number Of Runs Averaged: 3
Deviation Requested: 0.0050 %

Analysis Results
Deviation Achieved: 0.0415 %
Average Volume: 0.9495 cc
Volume Std. Dev.: 0.0105 cc
Average Density: 1.7800 g/cc
Density Std. Dev.: 0.0192 g/cc
Coefficient of Variation: 0.047 %

Run Data

RUN	VOLUME (cc)	DENSITY (g/cc)
1	0.9600	1.7600
2	0.9575	1.7640
3	0.9548	1.7695
4	0.9526	1.7732
5	0.9502	1.7780
6	0.9490	1.7815
7	0.9480	1.7830
8	0.9476	1.7818
9	0.9469	1.7845
10	0.9463	1.7868
11	0.9460	1.7859
12	0.9457	1.7875
13	0.9454	1.7883
14	0.9448	1.7891
15	0.9443	1.7905

QUANTACHROME CORPORATION
Upyc 1200e V5.06
Analysis Report

Mon Oct 27 14:18:23 2025
User ID: QA

Sample Parameters
Sample ID: VSP-C3
Weight: 1.6620 g
Description:
Comment:

Analysis Parameters
Cell Size - Small
V Added - Small: 12.9956 cc
V Cell: 12.8803 cc
Analysis Temperature: 23.4 C
Target Pressure: 19.0 psig
Type of gas used: Helium
Equilibration Time: Auto
Flow Purge: 1.0 min.
Maximum Runs: 15
Number Of Runs Averaged: 3
Deviation Requested: 0.0050 %

Analysis Results
Deviation Achieved: 0.0402 %
Average Volume: 0.9609 cc
Volume Std. Dev.: 0.0047 cc
Average Density: 1.7530 g/cc
Density Std. Dev.: 0.0089 g/cc
Coefficient of Variation: 0.507 %

Run Data

RUN	VOLUME (cc)	DENSITY (g/cc)
1	0.9710	1.7324
2	0.9695	1.7380
3	0.9680	1.7430
4	0.9665	1.7475
5	0.9650	1.7521
6	0.9635	1.7546
7	0.9620	1.7561
8	0.9605	1.7545
9	0.9590	1.7571
10	0.9575	1.7588
11	0.9560	1.7584
12	0.9545	1.7596
13	0.9530	1.7608
14	0.9515	1.7602
15	0.9500	1.7616

QUANTACHROME CORPORATION
Upyc 1200e V5.06
Analysis Report

Mon Oct 27 12:02:16 2025
User ID: QA

Sample Parameters
Sample ID: VSP-C4
Weight: 1.6121 g
Description:
Comment:
Analysis Parameters
Cell Size - Small
V Added - Small: 12.9956 cc
V Cell: 12.8803 cc
Analysis Temperature: 23.4 C
Target Pressure: 19.0 psig
Type of gas used: Helium
Equilibration Time: Auto
Flow Purge: 1.0 min.
Maximum Runs: 15
Number Of Runs Averaged: 3
Deviation Requested: 0.0050 %

Analysis Results
Deviation Achieved: 0.0418 %
Average Volume: 0.9660 cc
Volume Std. Dev.: 0.0112 cc
Average Density: 1.7400 g/cc
Density Std. Dev.: 0.0193 g/cc
Coefficient of Variation: 0.0465 %

Run Data

RUN	VOLUME (cc)	DENSITY (g/cc)
1	0.9750	1.7230
2	0.9725	1.7275
3	0.9695	1.7325
4	0.9670	1.7370
5	0.9645	1.7410
6	0.9630	1.7440
7	0.9620	1.7460
8	0.9615	1.7470
9	0.9610	1.7480
10	0.9605	1.7490
11	0.9600	1.7500
12	0.9595	1.7510
13	0.9590	1.7520
14	0.9585	1.7530
15	0.9580	1.7540