

Measurement Report

Pycnometer Serial Number: 1050044860 Software Version: 1.002.020

Sample Information

Sample ID: Mesocell barium 3
Sample Weight: 0.0251 g
Date: 2023.12.11
Start Time: 19:00:56
Run Time: 0:07:41

Measurement Settings

Gas Type: Nitrogen
Target Pressure: 10.0000 psi
Flow Direction Mode: Reference First
Equilibration Mode: Pressure
Temperature Control: On
Target Temperature: 20.000 °C
Flow Mode: Monolith
Cell Size: Meso
Preparation Mode: Pulse
End Mode Criteria: Better than 0.1%

Results

True Density

0.1526 g/cm³

Average Volume

0.1645 cm³

Percent Variance

1.0328 %

Run Data

| Run | Volume | Density | Temperature |
|-----|------------------------|--------------------------|-------------|
| 1 | 0.1671 cm ³ | 0.1503 g/cm ³ | 20.004 °C |
| 2 | 0.1644 cm ³ | 0.1526 g/cm ³ | 20.000 °C |
| 3 | 0.1620 cm ³ | 0.1549 g/cm ³ | 19.997 °C |