Troxler Model 3430 Calibration Report (Page 1 of 3)

Gauge Model: 03430 Gauge Serial Number: 028086

Reference standard counts: Density - 2537 Moisture - 655

Calibration Date: 07-08-2009 Print Date: 07-08-2009 Bay - 058

*** Density calibration count data ***

| Depth in. | Magnes 1770 | Mag/Al 2243 | Alumin 2704 |
|---|---|---|---|
| BS | 1176 | 776 | 534 |
| 2 | 3944 | 2516 | 1601 |
| 4 | 3987 | 2394 | 1421 |
| 6 | 3237 | 1795 | 978 |
| 8 | 2255 | 1135 | 574 |
| 10 | 1415 | 647 | 300 |
| 12 | 829 | 353 | 162 |

*** Density performance parameters ***

| Pos | A | B*1000 | C | 'Y' | Slope | Prec |
|---|---|---|---|---|---|---|
| BS | 2.817 | 1.09433 | -.04795 | 2243.0 | .9 | 8.68 |
| 2 | 8.828 | .96078 | .09036 | 2243.0 | 3.1 | 4.39 |
| 4 | 10.966 | 1.07213 | .11028 | 2243.0 | 3.5 | 3.91 |
| 6 | 11.998 | 1.24690 | .07959 | 2243.0 | 3.1 | 3.84 |
| 8 | 13.225 | 1.53320 | .01682 | 2243.0 | 2.4 | 4.07 |
| 10 | 12.484 | 1.77265 | .00467 | 2243.0 | 1.6 | 4.64 |
| 12 | 11.418 | 2.04817 | -.00903 | 2243.0 | 1.0 | 5.71 |

*** Moisture calibration count data ***

| Mag 0 | Mag/poly 609.0 | S R |
|---|---|---|
| 24 | 421 | 410 |

*** Moisture performance parameters ***

| E | F*1000 | Rat | Prec | S R | Exerr |
|---|---|---|---|---|---|
| .03664 | .99525 | 3.06 | 5.24 | -16.9 | 14.4 |

***** Density Standard Decay Sheet *****

Gauge Model - 03430
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Ref. std. cnt. = 2537

Range of projected density standard counts at future dates

| Date | Lower Limit of Projected density Standard Count | Upper Limit of Projected density Standard Count |
|---|---|---|
| 08-01-2009 | 2508 | 2559 |
| 09-01-2009 | 2503 | 2554 |
| 10-01-2009 | 2498 | 2549 |
| 11-01-2009 | 2493 | 2544 |
| 12-01-2009 | 2489 | 2539 |
| 01-01-2010 | 2484 | 2534 |
| 02-01-2010 | 2479 | 2529 |
| 03-01-2010 | 2475 | 2525 |
| 04-01-2010 | 2470 | 2520 |
| 05-01-2010 | 2465 | 2515 |
| 06-01-2010 | 2460 | 2510 |
| 07-01-2010 | 2456 | 2505 |
| 08-01-2010 | 2451 | 2501 |
| 09-01-2010 | 2446 | 2496 |

THE TRUE GRAVIMETRIC DENSITIES OF THE METALLIC BLOCKS USED IN THIS CALIBRATION ARE LISTED ON THE FIRST PAGE OF THIS DOCUMENT. TO ACCOUNT FOR THE INFLUENCE OF THE CHEMICAL COMPOSITION OF THESE BLOCKS ON INSTRUMENT RESPONSE (AS PRESCRIBED IN ASTM D2922, SECTION A1), THESE GRAVIMETRIC DENSITIES ARE MULTIPLIED BY CHEMICAL CORRECTION FACTORS PRIOR TO THE CALCULATION OF THE DENSITY CALIBRATION PARAMETERS. THESE CORRECTION FACTORS ARE 0.988 FOR MAGNESIUM, 0.974 FOR MAGNESIUM/ALUMINUM, AND 0.964 FOR ALUMINUM.

Statement of Traceability

The above referenced equipment has been calibrated by the manufacturer to established and documented procedures. Density values for the standards used in the calibration of this equipment were established using instruments whose measurements are traceable to the National Institute of Standards and Technology. Test procedures and supporting documentation are available upon request.

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This instrument was found to be mechanically sound and electronically stable both prior to and after its calibration. All data listed in the preceding pages of this report are applicable to this instrument only. This calibration was performed at

Troxler Electronic Labs.
2016 E Randol Mill Rd.
Suite 406
Arlington, Tx 76011

Special considerations and limitations of use for this device and its calibration are described in the Manual of Operation and Instruction provided with this instrument.



This instrument was calibrated by pm on using the 3-Block calibration.