TROXLER®
The Leader in Construction Testing Equipment
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Troxler Model 03430P Main Calibration Report
Gauge Serial number: 78847 Calibration Date: 7/30/2021
Density Standard Count: 2734 Water Standard Count: 697 Bay: 88

Listed hereunder is a range of projected density standard counts at future dates. These projected ranges are computed based solely upon the known decay rate of the density source

Date	Lower Limit of Projected density Standard Count	Upper Limit of Projected density Standard Count
8/1/2021	2706	2761
9/1/2021	2701	2756
10/1/2021	2696	2750
11/1/2021	2691	2745
12/1/2021	2686	2740
1/1/2022	2680	2735
2/1/2022	2675	2729
3/1/2022	2671	2724
4/1/2022	2665	2719
5/1/2022	2660	2714
6/1/2022	2655	2709
7/1/2022	2650	2704
8/1/2022	2645	2698

This gauge was calibrated using the method described in Troxler Report W-709. The density standards utilized in this calibration listed hereunder are traceable to the National Institute of Standards & Technology (NIST) as documented in Troxler Reports R-703 and R-705. The uncertainties for these standards are expressed as expanded uncertainty values at approximately the 95% confidence level using a coverage factor of k = 2.

Standard Material	Standard Serial No.	Density (kg/m^3)	Density Expanded Uncert. (kg/m^3)	Date of Measurement	Date of Expiration
Magnesium	319	1756.2	7.6	2/21/2017	2/21/2022
Mag/Alum	319	2192.1	10	2/23/2017	2/23/2022
Aluminum	320	2674.3	12	2/21/2017	2/21/2022

To account for the influence of the elemental composition of these blocks on instrument response (as prescribed in ASTM D7759, Section 16.1.5), the densities for the metallic block are multiplied by elemental composition correction factors prior to the calculation of the density calibration parameters shown on Page 1 of this document. These correction factors are 0.988 for magnesium, 0.974 for magnesium/aluminum, and 0.964 for aluminum.