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Page 2 of 4

Troxler Model 03430P Main Calibration Report
 Gauge Serial number: 78847 Calibration Date: 1/25/2021
 Density Standard Count: 2696 Water Standard Count: 699 Bay: 2

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
2/1/2021	2668	2722
3/1/2021	2663	2717
4/1/2021	2658	2712
5/1/2021	2653	2707
6/1/2021	2648	2701
7/1/2021	2643	2696
8/1/2021	2638	2691
9/1/2021	2633	2686
10/1/2021	2628	2681
11/1/2021	2622	2675
12/1/2021	2618	2670
1/1/2022	2612	2665
2/1/2022	2607	2660

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	102	1770.9	7.6	10/17/2019	10/17/2024
Mag/Alum	102	2224.4	10	10/18/2019	10/18/2024
Aluminum	102	2706.6	12	10/18/2019	10/18/2024

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.