



To our valued customers,

We hereby certify that to the best of our knowledge and belief that all domestic lead-free brass fittings furnished by Merit Brass Company are made from copper alloy C89833 in accordance with ASTM B584 with the following chemical analysis:

COPPER	87.00% – 91.00%
TIN	4.00% – 6.00%
LEAD	0.10% Max
ZINC	2.00% – 4.00%
NICKEL	1.00% Max
PHOSPHORUS	0.05% Max
SILICON	0.005% Max
ALUMINIUM	0.005% Max
SULFUR	0.08% Max
IRON	0.30% Max
ANTIMONY	0.25% Max
BISMUTH	1.70% – 2.70%

Furthermore, the domestic lead-free brass fittings conform to: ASME B16.14, B16.15, B16.18, MSS SP-106 (Flanges), A-A-5961 (Unions). All domestic lead-free brass fittings are threaded in accordance with ASME B1.20.1.

Sincerely,
MERIT BRASS COMPANY

Josh Schnippel
Quality Engineering Manager

