



July 12, 2024

To our valued customers,

We hereby certify that to the best of our knowledge and belief that all lead-free import brass fittings furnished by Merit Brass Company and manufactured by Siam Fittings Co., LTD 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
IRON	0.30% Max
ANTIMONY	0.25% Max
SULFUR	0.08% Max
PHOSPHORUS	0.05% Max
ALUMINUM	0.005% Max
SILICON	0.005% Max
BISMUTH	1.70% – 2.70%

Furthermore, the lead-free import brass fittings manufactured by Siam Fittings conform to ASME B16.15 and ASME B1.20.1. Pressure-temperature ratings for weight classes 125 and 250 per ASTM B16.15 found below:

Pressure Temperature Ratings		
Temperature, °F	Class 125, psi	Class 250, psi
-20 to 150	200	400
200	190	385
250	180	365
300	165	335
350	150	300
400	125	250

Sincerely,
MERIT BRASS COMPANY

Jarod Pawlowski

Jarod Pawlowski
SQE Compliance Coordinator

