



April 1, 2005

Ref: RoHS European Directive 2002/95/EC dated January 27, 2004

Dear Valued Customer:

After reviewing the above directive and the request you provided, it appears the most appropriate way for Service Center Metals to respond is by outlining the chemical analysis of the aluminum alloys we currently supply. Service Center Metals is supplying extrusions in 6061 and 6063 alloys with the chemical composition listed below. All materials comply with Aluminum Association registered chemical limits.

Chemical Composition (weight percent)

Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	B	Others	Others	Aluminum
										Each	Total	
6061 minimum	.40	-	.15	-	.8	.04	-	-	-	-	-	
6061 maximum	.8	.7	.40	.15	1.2	.35	.25	.15	-	.05	.15	Remainder
6063 minimum	.20	-	-	-	.45	-	-	-	-	-	-	
6063 maximum	.6	.35	.10	.10	.9	.10	.10	.10	-	.05	.15	Remainder

According to the RoHS document, lead (Pb), cadmium (Cd), mercury (Hg), are the only elements listed that are actually metals that could be in the aluminum alloys. Neither Cd, Hg nor Pb is intentionally added by Service Center Metals or their ingot vendors to produce extrusions in the 6061 and 6063. Extrusions are not exposed to metallic Hg during processing at Service Center Metals.

Hexavalent Chromium is listed, however the Chromium contained in certain extrusion alloys supplied by Service Center Metals is metallic (not hexavalent Chromium), which does not have a valence state. In 6061 and 6063 alloys listed above, Pb, Hg, and Cd would be classified under the "others each" category.

Polybrominated biphenyls (PBB) or polybrominated diphenyl ethers (PBDE) are not added to alloys used for our aluminum extrusions. To the best of our knowledge Polybrominated Diphenyl Ethers (PBDEs) are flame retardants used in polyurethane and in coatings on fabrics and furniture and PBBs are flame retardants used in plastics.

This response only pertains to bare extrusions. Since certain products are plated or coated, you will need to contact those appropriate facilities to determine compliance with the RoHS requirements.

If you have any further questions, please feel free to call me at (804) 518-1557.

Sincerely,
Service Center Metals

Thomas J. Shaffer
Manager - Quality & Technical Services