



**Certified Material Report
Typical Chemical Analysis**

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CHEMICAL COMPOSITION LIMITS

AWS Class	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Other elements		
									Each(b)	Total	Al
ER1100 R1100	(a)	(a)	0.05 - 0.20	0.05	-	-	0.10	-	0.05	0.15	99.0 Min
ER4043 R4043	4.5 - 6.0	0.8	0.30	0.05	0.05	-	0.10	0.20	0.05	0.15	Remainder
ER5183 R5183	0.40	0.40	0.10	0.50 - 1.0	4.3 - 5.2	0.05 - 0.25	0.25	0.15	0.05	0.15	Remainder
ER5356 R5356	0.25	0.40	0.10	0.05 - 0.20	4.5 - 5.5	0.05 - 0.20	0.10	0.06 - 0.20	0.05	0.15	Remainder
ER5554 R5554	0.25	0.40	0.10	0.50 - 1.0	2.4 - 3.0	0.05 - 0.20	0.25	0.05 - 0.20	0.05	0.15	Remainder
ER5556 R5556	0.25	0.40	0.10	0.50 - 1.0	4.7 - 5.5	0.05 - 0.20	0.25	0.05 - 0.20	0.05	0.15	Remainder

(a) Silicon + Iron shall not exceed 0.95.

(b) Beryllium shall not exceed 0.0008%.

MAXAL International, Inc. hereby certifies that the material covered by this report has been manufactured to the requirements of AWS A5.01, 2008, class I, schedule F, and tested in accordance with and been found to meet the requirements of specification AWS A5.10, 1999.

Gregory J. Bramer

**Certifying Signature
Quality Assurance Manager
MAXAL International, Inc.**