



Reading Alloys, Inc.

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THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION.

 **Product Specification**

Title: 30 Aluminum - 70 Chromium		Specification No.: RAI-0016 Revision: 4
Department: Thermite	<i>Approved & Released Product Specification</i>	Implementation Date: 05/24/2005
Area:		
Type of Document: RAI Product Specification		Review Period - 365 Days

Product Information:

Category: Finished goods	Product Line: Thermite Line 2
Part Number: 30703	Revision: 1
Description: 30 Al - 70 Cr	
Customer Part #:	Engineer: James Robison

1.0 Product Specification:

Chemical Requirements:

ELEMENT	SPECIFICATION
Aluminum	25-35%
Chromium	65-75%
Carbon	0.10% Max
Iron	0.50% Max
Magnesium	0.01% Max
* Manganese	0.05% Max
Molybdenum	0.20% Max
Silicon	0.25% Max
Sulfur	0.01% Max
* Vanadium	0.10% Max

Nitrogen	0.02%
Oxygen	0.10%

Material Size: (US Standard Sieve Designation)

1. "COARSE" (5/8 inch x 1/8 inch)

Minus 3/4 inch = 100%
 Minus 1/8 inch = 1% Maximum

2. "FINE" (5 Mesh x 18 Mesh)

Minus 5 Mesh = 99%
 Minus 20 Mesh = 1% Maximum

2.0 Special Requirements:

A. Inspection:

All material is 100% visually inspected to verify metal is clean and free of debris.

B. Packaging:

1000 pounds in 55 gallon open-head steel drums
 Other sizes available on request.

* Indicates change from last revision

3.0 Safety & Environmental Information:

MSDS-010

4.0 Associated Documents:

Associated Quality System Documents - None

Click to Open an Associated Document

5.0 Document Revision History:

Revision: 4	Date Created: 09/18/2008 Date of Last Revision: 09/24/2008	Last Approval Date: 09/24/2008
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Document Author: Beth Maiocchi	
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6.0 Reason for Change:

Revision:	Sec/Para Changed	Change Made:	Date
1	N/A	Initial Issue of Document	2/1/93
2	N/A	Change to Lotus Notes Format	12/10/98
3	Sect 8	Added signatory	6/7/99
4	1	Changed requirement for Mn & V	above

7 Notification List:

8.0 Approvals:

First Approver's Signature

Name: James Robison/PA-ROB/Ametek
Title: Director of Technology

Sep 24, 2008 03:47:08 PM EDT - Approved by: James Robison/PA-ROB/Ametek

Document History Section