



*Reading Alloys, Inc.*

220 Old West Penn Ave. Robesonia, PA 19551

THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION.

 **Product Specification**

<b>Title:</b> 44 Aluminum - 56 Chromium		<b>Specification No.:</b> RAI-0017 <b>Revision:</b> 7
<b>Department:</b> Thermite <b>Area:</b>	<i>Approved &amp; Released Product Specification</i>	<b>Implementation Date:</b> 05/24/2005
<b>Type of Document:</b> RAI Product Specification		<b>Review Period - 365 Days</b>

**Product Information:**

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

**1.0 Product Specification:**

Chemical Requirements:

ELEMENT	SPECIFICATION
* Aluminum	42-46%
* Chromium	Balance
Iron	0.50% Max

**Material Size:** (US Standard Sieve Designation)

1. NUGGETS: (5/8 inch x 1/8 inch)
  - Minus 3/4 inch = 100%
  - Minus 1/8 inch = 1% Maximum
2. POWDER: (50 Mesh x 325 Mesh)
  - Plus 50 Mesh = 1% Maximum

Minus 325 Mesh = 2% Maximum

## 2.0 Special Requirements:

### A. Inspection:

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

### B. Packaging:

300 pounds in 17 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:

<b>Revision:</b> 7	<b>Date Created:</b> 09/18/2008 <b>Date of Last Revision:</b> 09/24/2008	<b>Last Approval Date:</b> 09/24/2008
<b>Document Author:</b> Beth Maiocchi		

## 6.0 Reason for Change:

Revision:	Sec/Para Changed	Change Made:	Date
1	N/A	Initial Issue of Document	4/1/92
2	N/A	Unknown	6/18/92
3	N/A	Unknown	11/20/92
4	N/A	Unknown	5/13/93
5	N/A	Change to Lotus Notes Format	12/10/98
6	Sect 8	Added Signatory	6/7/99
7	1	Changed requirements for Al, Cr, removed Mo, & 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 03:48:40 PM EDT - Approved by: James Robison/PA-ROB/Ametek

### Document History Section