



Reading Alloys, Inc.

220 Old West Penn Ave. Robesonia, PA 19551

THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION.



Specification

Title: 44 Aluminum - 56 Chromium		Specification No . RAI-0017 Revision: 8
Department: Thermite	<i>Approved & Released Specification</i>	Implementation Date : 05/07/2013
Area: Thermite		
Type of Document : RAI Product Specification		Review Period - 365 Days

Product Information :

Category: Finished goods	Product Line: Thermite Line 2	
Part Number: 30705	Revision: 1	
Description: 44 Al - 56 Cr Nuggets		
Customer Part #:	Engineer: Charles Motchenbacher	

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:

External Documents:

Associated Quality System Documents - None

5.0 Document Revision History:

Revision: 8	Date Created: 09/18/2008 Date of Last Revision: 05/07/2013	Last Approval Date: 05/07/2013
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Document Author: Beth Maiocchi	Document Manager: David Helmick
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6.0 Reason for Change:

Revision:	Sec/Para Changed	Change Made:	Date
1	N/A	Initial Issue of Document	04/01/92
2	N/A	Unknown	06/18/92
3	N/A	Unknown	11/20/92
4	N/A	Unknown	05/13/93
5	N/A	Change to Lotus Notes Format	12/10/98
6	Sect 8	Added Signatory	06/07/99
7	1	Changed requirements for Al, Cr, removed Mo, & V	05/24/05
8	N/A	Changed part number to reflect 44Al-56Cr	above

7 Notification List:

PA-ROB-Quality Group

8.0 Approvals:

First Approver's Signature

Name: Wayne Vaupel/PA-ROB/Ametek
Title: Quality Manager

May 7, 2013 07:31:19 AM EDT - Approved by: Wayne Vaupel/PA-ROB/Ametek

Document History Section