



Reading Alloys, Inc.

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THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION.



Product Specification

Title: 15 Aluminum - 85 Vanadium		Specification No. RAI-0009 Revision: 7
Department: Thermite	<i>Approved & Released Product Specification</i>	Implementation Date: 08/09/2000
Area:		
Type of Document: RAI Product Specification		Review Period - 365 Days

Product Information:

Category: Finished Goods	Product Line: Thermite Line 1
Part Number: 30501	Revision: 1
Description: 15 Al - 85 V	
Customer Part #:	Engineer: James Robison

1.0 Product Specification:

ELEMENT	SPECIFICATION
Aluminum	13-17%
Vanadium	82-86%
Boron	0.003% Max
Carbon	0.10% Max
Chromium	0.10% Max
Copper	0.05% Max
Iron	0.50% Max
Magnesium	0.25% Max
Manganese	0.05% Max
Molybdenum	0.15% Max
Nickel	0.05% Max
Phosphorus	0.035% Max

Silicon	0.50% Max
Sulfur	0.024% Max
Tungsten	0.02% Max
Hydrogen	0.01% Max
Nitrogen	0.05% Max
Oxygen	0.22% Max

2.0 Special Requirements:

2.01 Size:

8 Mesh X 50 Mesh (US Standard Sieve Designation)

Minus 6 Mesh = 100%

Minus 8 Mesh = 98% Minimum

Minus 50 Mesh = 2% Maximum

Other sizes available on request

2.02 Inspection:

100% Visual - Whitelight, Blacklight, and Fluoroscope

2.03 Packaging:

1000 pound open-head steel drums (55 gallon)

Other packaging available on request.

* indicates change from last revision

3.0 Safety & Environmental Information:

4.0 Associated Documents:

Associated Quality System Documents - None

Click to Open an Associated Document

5.0 Document Revision History:

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

6.0 Reason for Change:

Revision:	Sec/Para Changed	Change Made:	Date
1	N/A	Initial Issue of Document	8/1/89
2	N/A	Unknown	12/1/90
3	N/A	Unknown	11/25/92
4	N/A	Unknown	2/5/93

5	N/A	Change to Lotus Notes Format	12/10/98
6	Sect 8	Added Bob Hyland as Signatory	6/7/99
7	Sect 1	Removed Typical Analysis	above

7 Notification List:

8.0 Approvals:

First Approver's Signature

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

Sep 24, 2008 03:38:43 PM EDT - Approved by: James Robison/PA-ROB/Ametek

Document History Section