



Reading Alloys, Inc.

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THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION.



Product Specification

Title: Ferro Niobium (Powder)		Specification No.: RAI-0006 Revision: 4
Department: Thermite	<i>Approved & Released Product Specification</i>	Implementation Date: 01/17/2001
Area:		
Type of Document: RAI Product Specification		Review Period - 365 Days

Product Information:

Category: Finished goods	Product Line: Thermite Line 2
Part Number: 30205	Revision: 1
Description: Ferro Niobium Powder	
Customer Part #:	Engineer: James Robison

1.0 Product Specification:

ELEMENT	SPECIFICATION
Niobium	60% Minimum
Iron	Balance
Aluminum	1.25% Max
Carbon	0.05% Max
Lead	0.01% Max
Manganese	0.02% Max
Nickel	1.0% Max
Phosphorus	0.02% Max
Silicon	0.50% Max
Sulfur	0.03% Max
Tantalum	0.75% Max
Tin	0.01% Max

Titanium	0.10% Max
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*Additional Chemistry available upon request

2.0 Special Requirements:

2.01 Size:

40 mesh by down (US Standard Sieve Designation)
Other sizes available on request.

2.02 Inspection:

Visual

2.03 Packaging:

500 pounds in 17 gallon open-head steel drums.
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: 4	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	11/20/92
2	N/A	Change to Lotus Notes Format	12/10/98
3	Sect 8	Added Bob Hyland as Signatory	6/7/99
4	Sect 1	Removed Typical	above

7 Notification List:

8.0 Approvals:

First Approver's Signature

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

Sep 24, 2008 03:34:26 PM EDT - Approved by: James Robison/PA-ROB/Ametek

Uncontrolled Document

Document History Section