



Shin-Etsu Magnetics Inc.

739 Roosevelt Road  
Building 6, Suite 215  
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FAX: (630) 858-9341

Date: August 21, 2006

Contact Name: Mr. Michael Oprondek  
Customer: Argonne National Laboratory  
Address: Bldg 210, OCF PRO,  
9700 S. Cass Ave.  
City, State, Zip: Argonne, IL 60436

Subject: Lot Certification – ANL Lot 23/SMI Lot #1504076201-02

Dear Mr. Oprondek:

Shin-Etsu certifies that the magnets in this lot have been processed and inspected in accordance with Argonne's S.O.W. as specified in the following sections:

Section 4.1.2.3 – Stabilization

Section 4.1.3 – Surface Finish

Section 4.3.1 – Physical Measurements

Additionally, we have attached a copy of the related inspection data for this lot.

Please direct any inquiries regarding this data to my attention. You may contact me at the numbers listed.

Sincerely,  
Shin-Etsu Magnetics Inc.

Brad Lucas  
Sales Manager, Midwest

cc: Shin-Etsu: T. Yokoyama, E. Saenz  
ANL: M. Oprondek  
Subcontractor: Hi-Tech Manufacturing

### 検査表 INSPECTION REPORT

発行日: 21/08/2006  
Issued Date:

需要家名: ARGONNE NATIONAL LABORATORY  
Customer:

品名: SEREM N39UH 品名コード: 300000 図面No:  
Material: Our Code No.: Our Dwg.No.:

需要家注文No.: 5A-06868 需要家図面No.: L143-110106 REV.04  
Customer's P/O No.: Customer's Dwg.No.:

指図No.: 1504076201-02 数量: 475 PCS  
Our P/O No.: Quantity:

単位重量: 255.0g/pc 磁化方向: T 着磁有無: MAGNETIZED  
Unit Weight: Magnetization Through: Magnetization:

極表示:  
Marking:

寸法: Dimension:	66.000L +0.250 -0.250	57.000W +0.050 -0.050	9.000T +0.000 -0.100
磁気特性: Magnetic Properties:	その他特性: Additional Specification:		
Br [ T ]	1.2310		
[ G ]	12310		
H <sub>cj</sub> [kA/m]	2208		
[ Oe ]	27740		
H <sub>cb</sub> [kA/m]	954		
[ Oe ]	11995		
(BH)max [kJ/m <sup>3</sup> ]	294.5		
[MGOe]	37.0		

備考: Notes:

PACKING LIST (CARTON NO.)	(QUANTITIES)	(NET WEIGHT)	(GROSS WEIGHT)
1	12	3.03	4.1
-			
39			
40	7	1.83	3.1
TOTAL	475	120.00	163.0
SIZE OF CARTON (CM)...		41X31X15.5	

総合判定: Judgment:

承認: Approved by:

担当: Checked by:

Passed

*M. Gulu*

*S. Iida*

信越化学工業株式会社 (Shin-Etsu Chemical Co.,Ltd.)

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マグネット部.....TEL: (03) 3246-5246 FAX: (03) 3246-5367

武生工場: 〒915-8515 福井県越前市北府2-1-5  
品質保証部.....TEL: (0778) 21-8116 FAX: (0778) 21-8134

HQ Electronics Materials Division: 6-1, Ohtemachi 2-chome, Chiyoda-ku, Tokyo, Japan  
Magnet Department:.....TEL: +81-3-3246-5246 FAX: +81-3-3246-5367

Takefu Plant: 1-5, Kitago 2-chome, Echizen-shi, Fukui, Japan  
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