

THE VSM GROUP

Full Service Magnetic Testing Laboratory

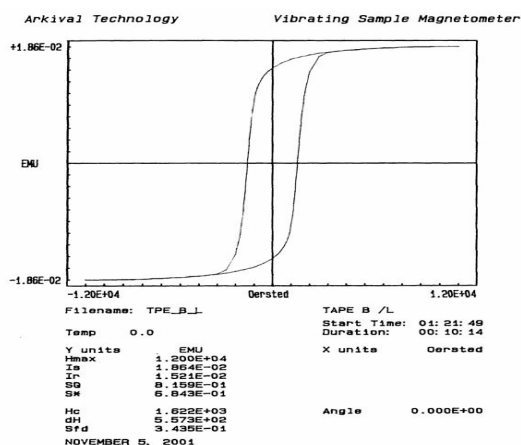
Arkival's VSM (Vibrating Sample Magnetometer) Group is located in Nashua, NH and provides full service magnetic laboratory for all your magnetic applications and materials evaluations and testing. Our lab is full equipped to service the needs of the magnetic tape industry, nanotechnology industry, and others industries requiring magnetic evaluation and analysis. Our services include sample preparation, magnetic evaluation, complementing analysis, and simulations.

Arkival's VSM Group provides full service magnetic measurements of magnetic materials used for all applications. Our independent measurement laboratory test magnetic materials including magnetic tapes and discs, platings, thin film, ferrites, powders, nanotechnology particles and permanent magnets. Our services included simple magnetic test data, quality assurance data, magnetic analysis, custom measurements and full analytic reports.

Parameters tested include the following:

➔ Bs, Br, Hc, Hr, Sq, SFD_r, SFD, H_{max}, Is, Ir, SQ, S*, H_c, dH, SFD

Our Laboratory is equipped with a ADE/DMS Model 880 Vibrating Sample Magnetometer and is networked to a computer-controlled magnetic measurement system to accurately characterize magnetic materials including single phase, bi-phase, anisotropic, diamagnetic, paramagnetic, ferromagnetic and many other material types. The computer controlled VSM test process provides automatic sequencing of different types of magnetic measurements including field-ranging capability. Testing can be customized for specific applications based on sample size, test fields, measurement planes and temperatures.





Services

Arkival is committed to providing fast turnaround service and offers secured web access to your data and test measurements. Our main business is measurements and we seek to provide effective and meaningful data for your magnetic applications.

- ✓ **Turnaround**
 - Standard testing: 48 hours after sample receipt
 - Expedited testing: 24 hours maximum after sample receipt
- ✓ Loop expansions
- ✓ Alternative parameters and temperatures
- ✓ Sample preparation and sizing
- ✓ Special tooling for odd-sized samples
- ✓ Written reports, commentaries

Applications that we Support

- ✓ Magnetic tapes and discs
- ✓ Magneto-optical materials
- ✓ Platings, thin films
- ✓ Ferrites, magnetic powders and toners
- ✓ Permanent magnets
- ✓ Inks and ferrofluids
- ✓ Organic materials
- ✓ Turnpike tickets
- ✓ Credit cards
- ✓ Steels
- ✓ Superconductors

Contact Information:

We encourage you to contact us for more information regarding our services and/or email/fax us your requirements. We will be glad to provide price and delivery.

Arkival Technology Corporation
VSM Group
34 Franklin Street
Nashua, NH 03064
Phone: (603) 881-3322 x113
Fax: (603) 883-1021
Email: sales@arkival.com

*Thank you for choosing ARkival Technology Corporation
for all your magnetic laboratory needs.*