

## DECLARATION OF NOAH MENARD

I, Noah Menard, affirm and declare as follows:

1. I am the Laboratory Manager at Veritas Testing and Consulting, LLC (“Veritas”), a laboratory and consulting firm located in Denton, Texas that specializes in thermal analysis of materials.
2. I have a Bachelor of Science degree in chemistry from the University of Texas at Dallas. I also have several years of experience working as a research scientist. I have been performing thermal analysis, including differential scanning calorimetry (DSC) since 2008.
3. Rothwell, Figg, Ernst & Manbeck P.C. retained Veritas to conduct DSC testing on samples of endodontic files. I performed or oversaw that testing and the preparation of a report that summarizes the test materials, test methodology, testing equipment, and the results of the DSC tests performed by Veritas. A copy of that report is attached to this declaration as Exhibit A.
4. The testing described in Exhibit A utilized a PerkinElmer DSC6000. A calibration check was performed on that instrument before the testing.
5. The information contained in the report attached as Exhibit A is true and correct. The report attached as Exhibit A was prepared in the course of the

**GOLD STANDARD EXHIBIT 2031**  
*US ENDODONTICS v. GOLD STANDARD*

regularly conducted business of Veritas, at the time the testing was conducted,  
based on my personal knowledge.

I declare under penalty of perjury that the following is true and correct.

Executed on October 30 2015

  
Noah Menard

# Exhibit A

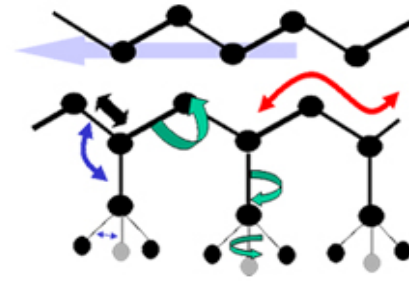
## Veritas Testing and Consulting, LLC

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26 April 2014

Jason M. Nolan, Ph.D.  
Rothwell, Figg, Ernst & Manbeck, P.C.  
607 14th Street, NW  
Suite 800  
Washington, DC 20005  
Phone: 202-783-6040  
Fax: 202-783-6031

RE: Metallic samples

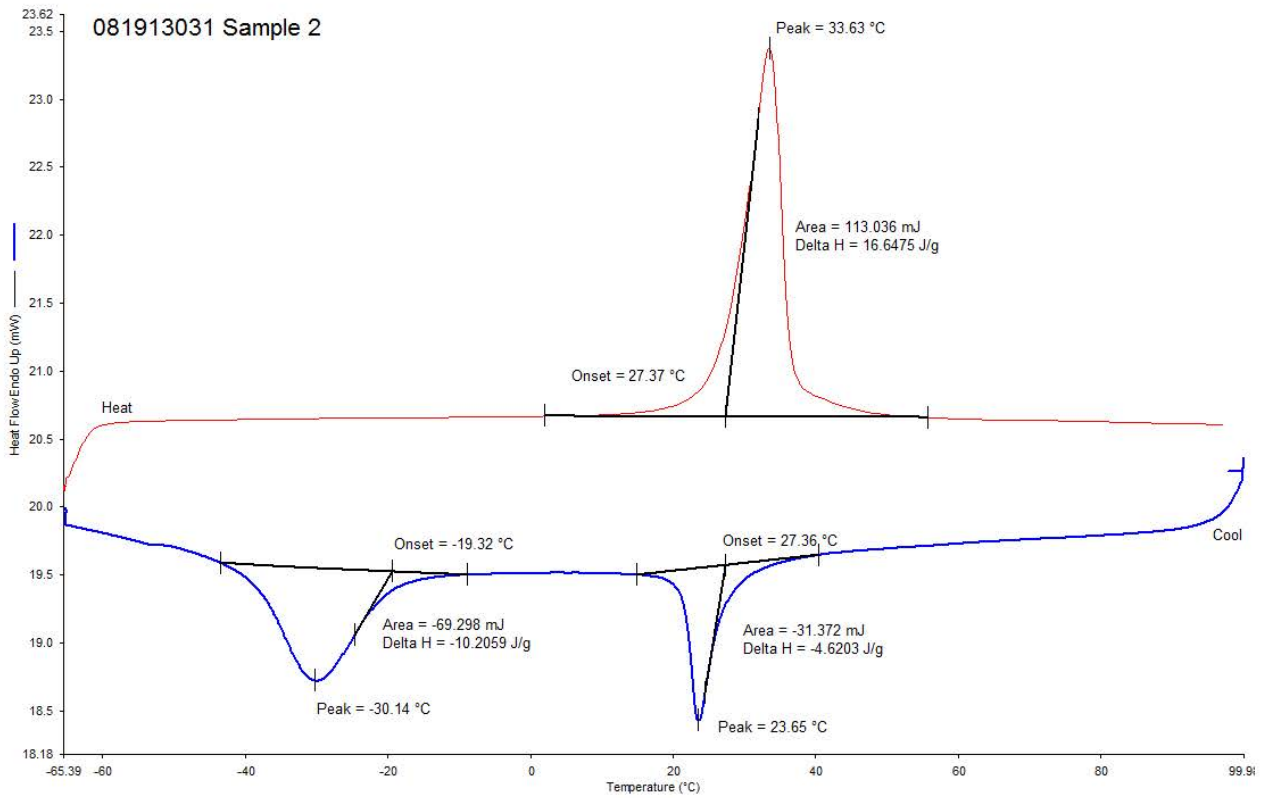
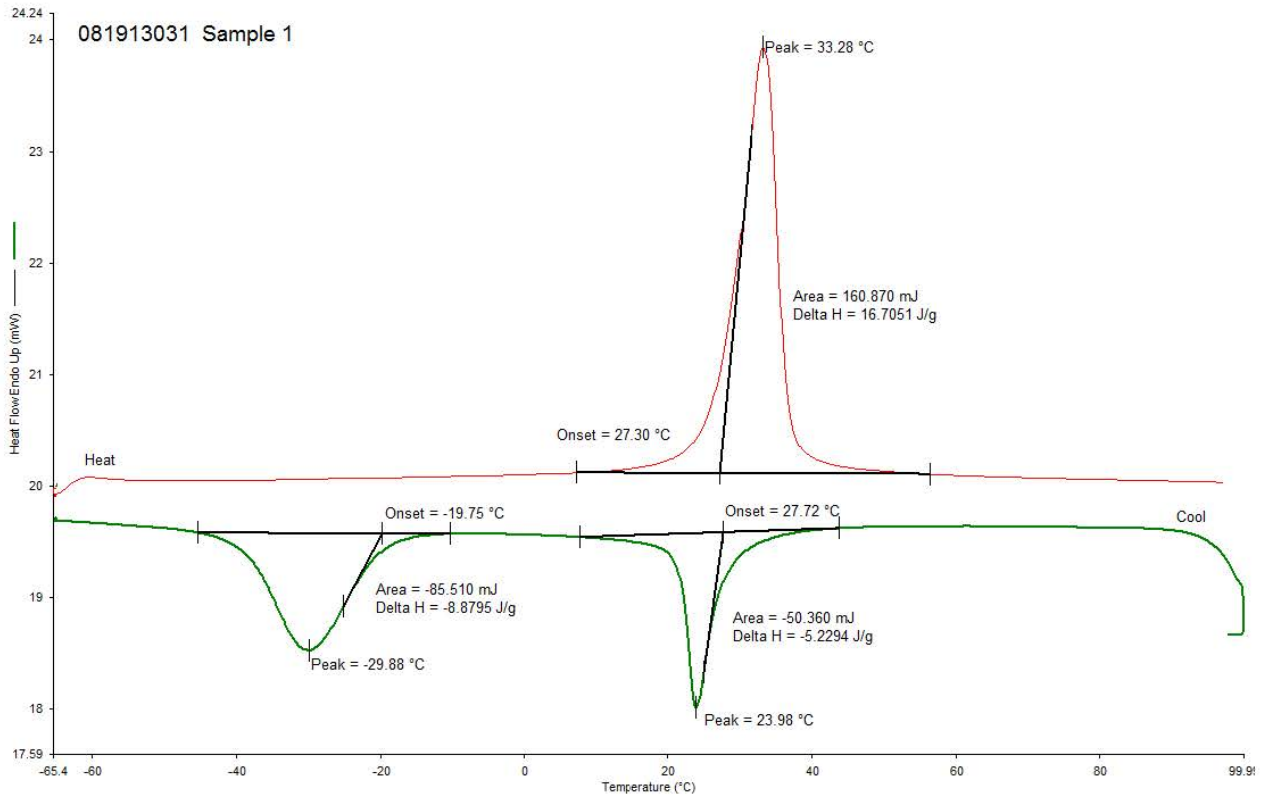
Dear Jason:

We received samples on Friday. Samples were cut into small segments using a diamond saw. One or two segments of ~ 5 mm were found to weigh between 5-15 milligrams and this mass give adequate response in the DSC. A PerkinElmer DSC6000 with Intracooler 2 was used for all runs. The instrument was calibrated to the manufacturer's specifications using indium and zinc standard supplied by them. A check on the indium after calibration gave a value of versus 156.61°C. Samples were placed in an open pan, cooled to -65°C, held for 1 minute to allow the instrument to stabilize, and heated to 100 °C at 10°C per minute before cooling at the same rate to -65°C under dry N<sub>2</sub> (20 cc/min). Excluding the samples used to tune the method, three runs were done from each container. These are reported on the following pages and any peaks seen were measured. Unless told otherwise, we will disposal of all samples in 30 days.

Please review the data carefully and don't hesitate to contact us with any questions you may have. Thank you for this opportunity to serve RFEM.

Noah Menard  
Lab Manager

*As part of the consideration for Veritas Testing and Consulting providing its services, it is agreed that Veritas Testing and Consulting's liability to the customer or any third party for any claims arising from or related to such services is exclusivity limited to the amounts actually paid Veritas Testing and Consulting by the customer for such services rendered under said project.*



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