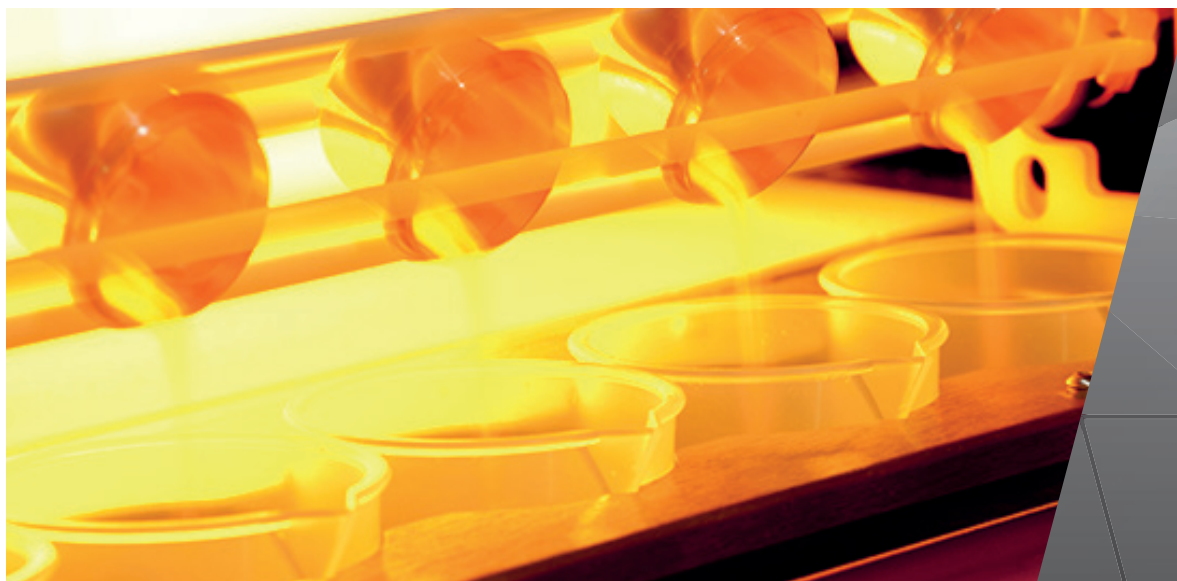




SAMPLE PREPARATION BY FUSION FOR ICP AND AA ANALYSIS

Learn more about the basics and benefits of fusion!





WHY IS FUSION THE BEST TECHNIQUE TO PREPARE YOUR SAMPLES?

Fusion is well-suited to prepare samples for inductively coupled plasma (ICP) analysis since unlike common acid digestion techniques, it allows the complete dissolution of highly refractory materials, ferroalloys and sulfides. Fusion is also safer than other ICP sample preparation methods because it does not involve the use of dangerous acids. It therefore simplifies waste management in the laboratory.



Fusion with Claisse Is Simple as ABC!

- Step 1: Add the sample into a 95% Pt 5% Au crucible
- Step 2: Add additive
- Step 3: Weigh the borate flux in the crucible
- Step 4: Insert the crucible into the instrument and start the fusion process
- Step 5: Pour the content of the crucible into diluted acid



An Efficient Technique to Prepare Various Types of Samples in Many Industries, Including:

- Building materials
- Mining
- Metals
- Academia
- Petrochemicals
- Animal feed
- Cosmetics
- Nanomaterials



A Unique Combination of Benefits that Increases Your ROI

- Allows a complete digestion/dissolution of refractory samples
- Safe (eliminates the use of dangerous acids such as HF and HClO₄)
- Processes a wide variety of samples
- Fast compared to acid digestion
- Easy to use (doesn't require highly skilled technicians)
- Automated (technicians can perform more valuable tasks in the laboratory)



Global solutions

By providing our expertise as well as a wide range of products and services for all aspects of sample preparation, we thoughtfully guide our clients through all the steps of their analytical process.



Webinar

[Watch](#) our FREE webinar entitled «Basics and Benefits of Fusion» to learn more about this sample preparation technique.

You need assistance in your day-to-day analysis? Our experts can help you develop the perfect fusion method for your samples. Contact one of our fusion specialists at support@claisse.com or visit us at www.claisse.com



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