



With over 20 years of experience in the plastic waste and recycling industry, **arcLABS** is a leader in advanced analytics and new technologies. We service the industry by providing custom analytical solutions and creating tailored support for process and technology development.

Accurate. Reputable. Cutting-Edge



Services

arcLABS provides **characterization and identification** of plastic streams that can be turned into feedstock sources matched to typical or advanced recycling processes.

Our services range from sample analytics to fundamental development and process design.

We offer comprehensive reports, material specification assistance, sampling plans, and QA/QC documentation such as a **Certificate of Analysis (COA)**.

Experts in characterization of plastic waste

We bring value to our customers by providing rapid, reliable, and repeatable analytics & solutions



Material, feedstock, product, and intermediate characterization services



Pre and post-process treatment



Detailed feedstock specification definition



As **partners** from concept to ongoing operations, we accelerate success with early engagement



Well-versed in complex **sample preparation** for repeatable, accurate results



Development services through bench and pilot scale testing



Delivery of **accurate** and reliable data



Packaged Feasibility Studies



50+ years combined **experience** in analytics and technology development

*Turning plastic waste into **value***

Become part of the solution: labsamples@agilyx.com

Our **innovative** solutions

Polymer Identification

Composition analysis by polymer type, covering everything from single-source materials to complex mixed and commingled materials, as well as full bales.

Physical Properties

Moisture content, particle size, ash content, melt flow index.

Elemental Composition

Identification of elements of interest - e.g. fillers, heavy metals, halogens.

Comprehensive Reporting

arcLABS ensures the highest standards of data integrity, providing precise and timely results backed by comprehensive reports and **Certificates of Analysis (COAs)**.



Helping our customers **recycle plastic waste**

- Do you have plastic waste or a hard-to-recycle plastic?
- Do you need to characterize a material to assess its suitability for a recycling process?
- Do you need to develop a customer or supplier feedstock specification?

arcLABS has strong expertise in analyzing feedstock for both **advanced and mechanical recycling processes**, providing customers with clear, accurate, and timely results.



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