



Instant Analysis for Polymers & Recycled Plastics

# Real-Time Polymer Identification at Your Fingertips

A powerful handheld NIR spectroscopy solution, designed to identify and quantify polymer materials onsite within seconds.



## Get Accurate Results for:



PP



POM



PE



PA6



PET



PA66



PVC



HDPE



ABS



LDPE

## Advantages of the NIRLAB Solution:

- Easy-to-use
- Unlimited scans
- Cost-efficient
- No maintenance
- Integrated digital ecosystem with cloud software
- Destruction-free analysis
- Wireless connectivity
- High data security
- Compact and rugged device

## Make Informed Decisions Across the Polymer Recycling, Sorting and Manufacturing Chain

### Optimized for the Entire Polymer Workflow:

- Rapid identification of incoming pellets, flakes and granulates
- Verify supplier batches and reduce contamination risks

### Sorting & Process Control

- Distinguish similar polymers (PA6 vs PA66, HDPE vs LDPE)
- Optimize sorting streams and reduce cross-contamination

### Final Product Quality Assurance

- Verify polymer composition and product specifications
- Improve batch consistency and compliance with industry standards

# Advancing Polymer Quality Control & Recycling

- Point-and-click measurement
- Instant results on the spot
- Identifies more than 100 polymers (PP, PE, PET, PVC, ABS, POM, etc.)
- Distinguishes PA6 from PA66 and HDPE / LDPE / MDPE
- Results in just 5 seconds
- Pocket sized, ideal for field, sorting line and lab



## **NIRLAB for the Polymer and Plastics Recycling Industry**

We provide custom-made models and calibrations, tailored to each end user, for accurate identification and quantification of polymers and recycled plastics delivering Swiss-quality measurements with accuracy, consistency, efficiency, and conformity to industry specifications.

# We Follow the Highest Industry Standards

## NIRLAB – Swiss Quality You Can Trust

At NIRLAB, quality and reliability are non-negotiable. Our solutions follow ISO 17025-aligned workflows, use validated and traceable calibration models, ensure data protection with secure infrastructure, and meet the highest standards of quality control and GDPR compliance.

We deliver insights you can act on with confidence.



\*

Unil.



swiss made  
software

**TRUSTED BY GLOBAL ORGANISATIONS IN MORE THAN 50 COUNTRIES WORLDWIDE!**

\*Accredited at the forensic lab of the University of Lausanne.

## About NIRLAB SA

Established in 2018, NIRLAB SA, a Swiss-based company, has revolutionized the way professionals and organizations analyze food products using NIR spectroscopy and advanced machine learning, by offering a complete solution within an integrated digital ecosystem.

### Distributor for Italy



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OUR ANALYSIS SOLUTION?



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