

ProChem

FT-NIR Analysis Software

20 26

Ölçüm Numarası

Ölçüm Adı

Tarih Aralığı

Metot

Ara

Sıfırla

Ölçüm Yap

Düzenle

Sil

Rapor

Buluta Aktar

Toaster Test

Ölçüm Zamanı	Ölçüm No.	Ölçüm Adı	Metot	Protein(%)	Fat(%)	Moisture(%)	Ash(%)	Fiber(%)	Starch(%)	Dry_Matter(%)
15.04.2026 14:54	A00114	TOZ YEM 7869-1	CATTLEFEED_G...	20.87	3.41	7.31	9.17	12.62	14.25	
15.04.2026 14:53	A00113	TOZ YEM 7810-2	CATTLEFEED_G...	13.19	2.34	8.17	9.07	13.00	33.79	
15.04.2026 14:51	A00112	TOZ YEM 7810-1	CATTLEFEED_G...	12.27	2.53	8.17	11.51	13.68	33.12	
15.04.2026 14:47	A00111	MERCIMEK 736...	LENTIL	20.91	1.60	9.63	3.77	6.26	41.79	
15.04.2026 14:46	A00110	MERCIMEK 736...	LENTIL	22.26	1.57	9.42	3.95	5.68	39.06	
15.04.2026 14:43	A00109	MERCIMEK 733...	LENTIL	31.91	2.87	8.54	3.51	4.15	35.09	
15.04.2026 14:41	A00108	MERCIMEK 733...	LENTIL			8.47	3.46	3.65	35.01	
15.04.2026 14:40	A00107	MERCIMEK 733...	LENTIL			9.67	2.81	0.81	49.82	
15.04.2026 14:39	A00106	MERCIMEK 733...	LENTIL			9.70	2.57	0.03	51.07	
15.04.2026 11:29	A00105	MISIR KEPEGI 8...	CATTLEFEED_G...			13.31	4.02	12.17	18.23	
15.04.2026 11:21	A00104	FINDIK KÜSPES...				9.31	6.97	10.38		
15.04.2026 11:20	A00103	FINDIK KÜSPES...				6.48	9.68			
15.04.2026 11:19	A00102	FINDIK KÜSPES...				6.44	12.12			

Developed under USTECH's assurance, ProChem is an innovative FT-NIR software designed to optimize complex laboratory and inline measurement processes. By driving operational excellence from raw materials to finished goods, it completely eliminates the time and labor losses of traditional analysis. ProChem establishes an error-free, highly repeatable, and fully traceable analytical standard for real-time decision-making.

INNOVATING THE FUTURE, SECURING PRODUCT QUALITY

Record-Breaking 20-Second FT-NIR Analysis for Complete Operational Excellence

SOFTWARE

FEATURES & BENEFITS

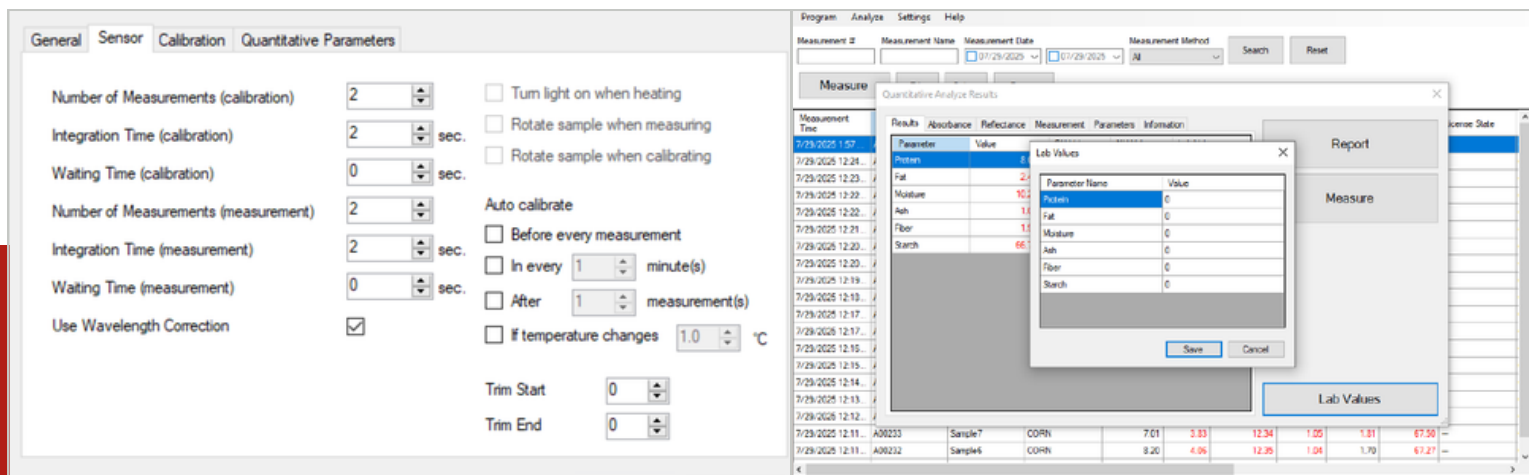
KEY FEATURE

A powerful, intuitive application engineered under USTECH's assurance to maximize productivity and optimize analytical workflows at every level.



HIGHLIGHTS

- Instant 20-second parameter results (protein, fat, moisture) displayed with zero delay to accelerate operational decisions.
- One-click professional PDF reporting and editable Excel data archiving for flawless cross-departmental sharing.
- Flexible method, calibration model, and custom product profile updates to seamlessly adapt to shifting quality benchmarks.
- Advanced bias and deviation alignment mechanisms to completely neutralize ambient environmental variables or sample variations.



SOFTWARE FEATURES

Explore the full range of features our application offers:

Instant 20-Second Analysis

The moment a sample is placed, critical parameters like protein, moisture, and fat are calculated and displayed without delay.

Precise Bias Calibration

Advanced compensation tools allow operators to easily define offset values to neutralize sample variations.

Flexible Data Export

Flawless corporate reporting with one-click data transfers into professionally formatted PDF or Excel sheets.

Centralized Data Loop

Secure end-to-end data pipelines that preserve operational history and elevate the auditability of your facility.

CORE CAPABILITIES

ProChem delivers powerful mathematical tools and seamless digital experiences that help production teams automate testing, enforce quality standards, and grow efficiently.

High Auditability

All analysis histories are securely stored in an industrial-grade database, ensuring full transparency during retrospective audits.

Continuous Improvement

The software goes beyond simple data logging, providing the continuous analytical foundation needed to optimize production quality.

Rapid Deployment

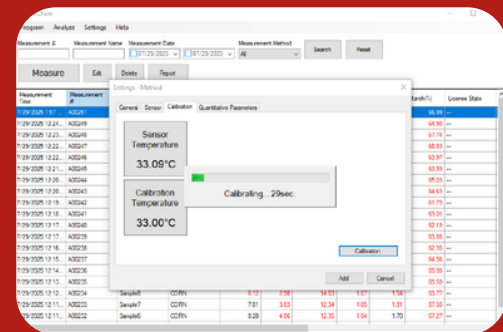
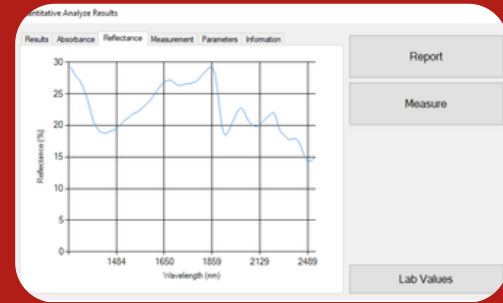
Easily adapt to changing raw material variations or new quality benchmarks with an incredibly flexible method infrastructure.

Centralized Asset Tracking

Securely aggregate data from distinct production loops and raw material entry gates to maintain total visibility.

User-Centric Visuals

Complex spectral data and calibration curves are translated into beautiful, professional graphs for easy interpretation.



WHY USE OUR SOFTWARE ?

Integrating ProChem into your facility yields immediate operational, analytical, and financial advantages:

- **Elimination of Human-Induced Errors:** Replaces manual testing variations with automated, highly repeatable calibration workflows and predictable standards.
- **Extraordinary Cost & Time Economies:** Speeds up raw material reception, saves vast amounts of organizational labor, and completely removes downstream bottlenecks.
- **Fast & Robust Decision Framework:** Immediate graphical visualization of process deviations allows operators to intervene instantly, reducing product fires and securing final quality.
- **Seamless Traceability & Corporate Reputation:** Solidify market trust with clients, stakeholders, and auditors using transparent, fully auditable metrics and pristine reports.

OUR TEAM

Our team delivers a flawless process management framework by blending industrial software development, advanced data science, and spectral engineering to construct robust automated quality control workflows.

Team Strengths:

- FT-NIR Spectral System Integration
- High-Precision Calibration Engineering
- Data Engine & Optimization Architects
- Continuous Corporate Reliability Support

OUR APPLICATION

ProChem maximizes quality control through real-time monitoring and dynamic data visualization. By securely aggregating data from multiple production lines into a single screen, it completely eliminates human-induced measurement risks.

App Features:

- 20-Second Instant Parameter Verification
- Centralized Data Loop & Processing
- Dinamik Graphic Result Visualization
- Secure Database with High Auditability

MEASURABLE IMPACT

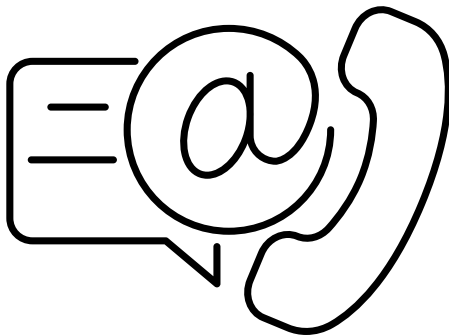
Deploying a record-breaking 20-second FT-NIR analysis loop for the instant prediction of Protein, Moisture, and Fat across agricultural raw materials and feeds.

Centralizing real-time data streams from multiple production lines into a single secure screen, completely eliminating human-induced measurement errors.

95%
Human-Error
Elimination

90%
Analysis Time & Labor
Savings

85%
Operational Waste
Reduction



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Let's build something extraordinary together.

