

FTIR - 3040

FT-IR Milk Analyzer



EPCC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

Analytical Technologies Limited

An ISO 9001 Certified Company

www.analyticalgroup.net

►► **PRODUCT INTRODUCTION**

FTIR 3040 is calibrated according to established standard methods for milk analysis:

Roesse Gottlieb – for fat

Kjeldahl – for protein

HPCL – for lactose

Oven drying – for total solids

Cryoscopy – for freezing point

FTIR 3040 is the best we are capable of!

FTIR 3040 is a milk analyzer featuring a modern Nano-Optics measuring system and powerful software which allows him to analyze raw, standardized, and processed milk, whey, cream with up to 50% fat content, and other milk products.

It features an 8" touch screen which makes working with the instrument very easy and convenient. With the help of the SE Data Collection software FTIR 3040 can be easily connected to a computer.

►► **FTIR 3040 CALIBRATION**

FTIR 3040 has three calibration banks.

It can be calibrated for three products. One of the calibrations is factory-made free of charge and the other two are offered as paid add-ons upon customer's request.

►► **FTIR 3040 CAN BE CALIBRATED FOR**

- Cow milk
- Sheep milk
- Goat milk
- Buffalo milk
- Human milk
- Pasteurized milk
- UHT milk
- Cream with up to 50% fat content
- Yogurt with freshly added culture
- Coconut milk
- Fruit milk
- Yakult
- Skimmed milk
- Powdered milk
- Soy milk
- Whey
- Ice cream mixtures

►► MEASURED PARAMETERS

Parameter	Accuracy (Resolution)	Range	Consistency (Repeatability)
Fat	0.01%	0.00% - 60.00%	±0.01
SNF	0.01%	0.00% - 60.00%	±0.01
Protein	0.01%	0.00% - 25.00%	±0.01
Lactose	0.01%	0.00% - 25.00%	±0.01
Density	0.001%	1.0150-1.0400 g/Sm3	±0.01
Solids	0.01%	0.00% – 5.00%	±0.01
Freezing Point	0.001%	-0.45 °C to 0.55 °C	± 0.001 °C
Added water	0.01%	0.00%- 80%	0.01%

►► MORE INFORMATION

Info	Data
PH	optional
Conductivity	optional
External printer	optional
Sample volume	10 ml /5 ml for human calibration/
Sample temperature	2 to 45 °C
Humidity	0 to 80 °C
Database Processing	USB (SEDataCollection)
Dimensions (W x D x H)	42x 40 x 38 cm
Weight	16 kg
Power supply	12V = 6A, 80W

HPLC Servicing, Validation, Trainings and Preventive Maintenance :

HPLC Servicing :HPLC Servicing : We have team of service engineers who can attend to any make of HPLC promptly @the most affordable cost.

Trainings :We also take up preventive Maintenance to reduce downtime of HPLC's Trainings.

AMC's/CMC :AMC's/CMC :We offer user training both in-House and at customer sites on HPLC principles, operations, trouble-shooting.

Validations :Validations :We have protocols for carrying out periodic Validations as per GLP/GMP/USFDA norms.

Instruments :Instruments :We offer instruments/Renting Services Modules like pumps,detector etc. on Rent.



About Analytical Technologies

Analytical Technologies is synonymous for offering technologies for doing analysis and is the Fastest Growing Global Brand having presence in at least 96 countries across the global. Analytical Technologies Limited is an ISO:9001 Certified Company engaged in Designing, Manufacturing, Marketing & providing Services for the Analytical, Chromatography, Spectroscopy, Bio Technology, Bio Medical, Clinical Diagnostics, Material Science & General Laboratory Instrumentation. Analytical Technologies, India has across the Country operations with at least 4 Regional Offices, 6 Branch Offices & Service Centers. Distributors & Channel partners worldwide.

Our Products & Technologies



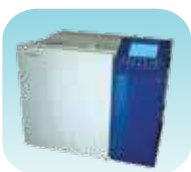
UV/VIS
Spectro 2080+
Double Beam



Infra FTIR



Optima Gas
Chromatograph
3007



Optima Gas
Chromatograph
2979 Plus



Flash
Chromatograph



Atomic Absorption
Spectrophotometer



Liquid Particle
Counter



Optical Emission
Spectrophotometer



DSC/TGA



Semi Auto Bio
Chemistry Analyzer



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Hematology
Analyzer



Micro Plate
Reader/Washer



URINOVA 2800
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system

Regulatory compliances



Corporate Social Responsibility

Analytical Foundation is a nonprofit organization (NGO) found for the purpose of:



Analytical
Foundation

1. Research & Innovation Scientist's awards/QC Professional Award : Quality life is possible by innovation only and the innovation is possible by research only, hence ANALYTICAL FOUNDATION is committed to identify such personalities for their contributions across various field of Science and Technology and awarding them yearly. To participate for award, send us your details of research / testing / publication at Info@analyticalfoundation.org

2. Improving quality of life by offering YOGA Training courses, Work shops/Seminars etc.

3. ANALYTICAL FOUNDATION aims to DETOXYFY human minds,souls and body by means of yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.



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