

NMR-3040V

Seed Oil Content NMR Analyzer



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Analytical Technologies Limited

An ISO 9001 Certified Company

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►► Features

- Measurement of seed oil and moisture content

►► Configuration

- Magnetic field strength : $0.28 \pm 0.05T$
- Probi size : $\varnothing 40mm$
- Effective detection area : $\varnothing 40mm \times H30mm$
- Weight : 85 kg
- Footprint : 1685mm x 520mm x 386mm

►► Application Indexes

- Minimum detection limit : 100 mg water
- Sample height <30 mm
- Test range of seeds oil content : 0.03% ~ 100%
Accuracy : RD < 2% (compared with Soxhlet extraction method)
- Repeatability : RSD <2%, Reliability : RSD<2%
RSD : Relative standard deviation
RD : Relative deviation

►► Application Example

Oil contents in sunflower seeds -- NMR vs. Soxhlet extractor				
No.	Sample 1	Sample 2	Sample 3	Sample 4
NMR(%)	45.87	46.53	45.57	45.96
Soxhlet extractor(%)	46.35	46.13	46.27	46.53
Std Dev(%)	1.04	0.87	1.51	1.23
Water contents in sunflower seeds -- NMR vs. Drying method				
No.	Sample 1	Sample 2	Sample 3	Sample 4
NMR(%)	6.41	6.37	6.6	6.42
Drying Method(%)	6.68	6.51	6.41	6.51
Std Dev(%)	4.04	2.15	2.96	1.38

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.

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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.

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DSC/TGA



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Chemistry Analyzer



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RTPCR



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Ion Chromatograph



Water purification
system

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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.

Reach us @



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