

3330A

Portable Monochromatic Wavelength Dispersive XRF Sulfur And Chlorine Analyzer



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

Analytical Technologies Limited

An ISO 9001 Certified Company

www.analyticalgroup.net

At present, the restriction and control of sulfur content in petrochemical products, especially in oils like diesel, gasoline and lubricant, has become the focus of environmental protection across the globe. The oil sample with high sulfur content, during combustion, will generate sulfur dioxide that further becomes sulfite or sulfuric acid via chemical reaction to corrode engines. A large amount of sulfur oxides discharged into air is main cause of acid rain. The sulfur in gasoline, after combustion, becomes sulfate attached to noble metal coating of catalyst, and then causes vehicle exhaust to not able to meet statutory standards. It is therefore imperative for us to reduce sulfur content in gasoline.

3300A Portable Monochromatic Wavelength Dispersive XRF Sulfur and Chlorine Meter is the latest high-performance portable meter developed by Analytical. The instrument conforms to ASTM D7039 (Standard Test Method for Sulfur in Gasoline and Diesel Fuel by Monochromatic Wavelength Dispersive X-ray Fluorescence Spectrometry), which is used for detection of sulfur content in gasoline and diesel to meet national V and VI Standards. It also meets sulfur content detection requirements of < GB252-2015 General Diesel Oil > and < GB1 7411-2015 Marine Fuel Oil >.

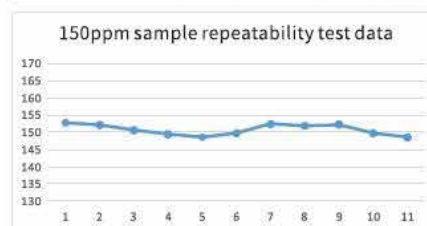
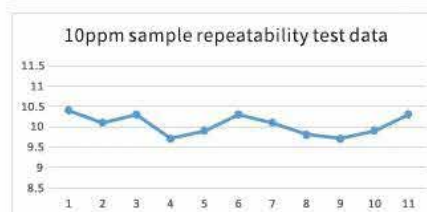
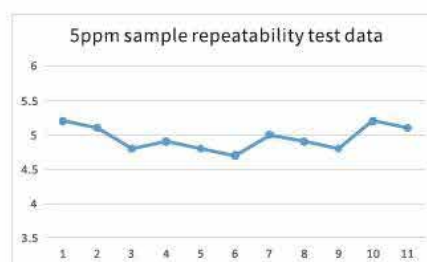
It complies with ASTM D7536 and D4929-C, NB/SH/T 0842 standard test methods

Using high-throughput full-focus hyperboloid curved crystal, the instrument monochromates target characteristic X-rays from X-ray tube and focuses them on sample to selectively excite light elements within. This technology reduces background interference, improves peak to back ratio, and has lower detection limit.

Test result and spectrum

Gasoline sample

Time/Content	5.0ppm	10.0ppm	150.0ppm
1	5.2	10.4	152.8
2	5.1	10.1	152.1
3	4.8	10.3	150.6
4	4.9	9.7	149.4
5	4.8	9.9	148.6
6	4.7	10.3	149.7
7	5.0	10.1	152.4
8	4.9	9.8	151.9
9	4.8	9.7	152.3
10	5.2	9.9	149.7
11	5.1	10.3	148.5
Avg value	4.95	10.05	150.73
SD	0.18	0.26	1.62
RSD (%)	3.54	2.57	1.07



▶▶ Application

- » Application Fields- MWD XRF Portable Monochromatic Wavelength Dispersive XRF Sulfur and Chlorine analyzer
- » Petrochemical industry, crude oil extraction and refining, product oil, low refinery production line monitoring.
- » Portable MWD XRF sulfur and chlorine tester - Performance Advantaes
- » **Conforming to National Standards**

Meeting test requirment of Sulfur in Gasoline and Diesel in ASTM 39 (Standard Test Method for Sulfur in Gasoline and Diesel Fuel by Monochromatic Wavelength Dispersive X-ray Fluorescence Spectrometry).

» Test Range

With a unique optical path, it has a minimum detection limit of 0.5mg/kg, which meets test requirment of Sulfur in and .

» Accuracy

For low content oil samples, i.e., 10mg/kg fuel, the repeatability RSD is less than 5%.

» Portability

Small, light and portable. Meeting customers'on-site analysis needs.

» Rapid Analysis

Sample is placed in a disposable cup, with analysis time 60-300s.

» Convenience

No consumables, no vacuum pumping, and no sample pretreatment.

Technical Parameters

Elements to be tested	S、Cl
Range of analysis	0.5ppm-20%
Detection limit	0.5ppm
Integrated computer	Industrial HD touchscreen
Test time	60-300S
Test objects	Solid, liquid, powder

Working volgage	AC 220V/DC 24V
Working temperature	0-40°C
Repeatablity	Sn-1<=0.5ppm(10ppm)
Test standard	ASTMD7039、ISO20884、SH/T0842
Dimension	335mm*255mm*268mm
Weight	Approx. 15kg

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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.

Our Products & Technologies



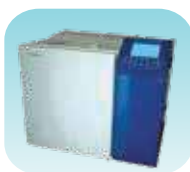
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Infra FTIR



Optima Gas
Chromatograph
3007



Optima Gas
Chromatograph
2979 Plus



Flash
Chromatograph



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Spectrophotometer



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Chemistry Analyzer



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Analyzer



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Reader/Washer



URINOVA 2800
Urine Analyzer



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Ion Chromatograph



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system

Regulatory compliances



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Analytical Foundation

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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.



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