Atomic Absorption Spectrophotometer GBB-5310

A wide range of Quality Equipments required in day-to-day function of a Chemical Laboratory to Advanced Instruments used for Quality Assurance/Control and Research.
Our Atomic Absorption Spectrophotometer offers a State-of-the-art technology bundled with many features as a complete economical package.



TECHNICAL SPECIFICATIONS

Optical System	Instrument Type	Single Beam Reflection Achromatic Optics System
	Monochromator	Aberration Corrected Czerny-Turner
	Dispersion elements	Grating system 1200 line/mm characterization area 40mm2 Scintillation wavelength 250nm
	Bandwidth	0.1, 0.2, 0.4, 1nm(4 step auto switching)
	WL Range	190-900
	WL Accuracy	±0.2
	WL Repeatability	±0.1 nm max
	Resolution	Min 3 lines (279.5 & 279.8 peak and Valley)
	HCL housing	Standard 4 lamp turret . (1 for measurement , 3 in warm-up mode)
	Gas control	Automatic control & optimization (flow/pressure)
	Safety measures	Gas Leak check, prevention of gas release when flame dies out, prevention of flashback through pressure monitoring.
Photometric properties	Measurement	Aberration-corrected Czerny-Turner mounting
	Photometric Range	0-125%, -0.1-3.00A
	Static Baseline Drift	(Cu) +-0.003A/30min
	Dynamic Baseline Drift	(Cu) +-0.006A/30min
	Background Correction	High speed self-reversal (BGC-SR) method: High speed D2 lamp method (BGC-D2)
Atomization System		
Flame	Characteristic Concentration	(Cu) 0.025 μg/ml max
	Detection limit	(Cu) 0.004 μg/ml max
	Precision	RDS =0.5%
	Burner	Air cooled Titanium
	Nebulizer	High-efficient Nebulizer
	Spray chamber	Anticorrosion material
	Safety measures	Flame fuel gas, power assisted gas abnormal pressure protection
Data Process	Test Manner	Flame , flame emission .
	Concentration	standard curve, standard addition, interpolation
	Times of repetitive	Measurement 1-30 times, Average Value of A&C
	Report Print	parameters, date result
Other	Dimension & Weight (Flame)	700×420×550 mm; 103 kg(approx.)
	Power (Main unit with(Flame)	AC 220 V ±10%, 50 Hz without sharp fluctuations.
	Working Temperature range	10~30℃
	Working Humidity range	40%~85%

OPTIONS

- **Graphite Furnace**
- **Auto-Sampler for Graphite Furnace**
- **Hydride Generator**
- **Wide range of Hollow-Cathode Lamps (Single/Multi Element) available on request**

SALIENT FEATURES

- Advance technology for intelligent stray light measure and correction
- Original Optical Noise Reduction & Automatic measurement and stray light dynamic detected without any reference materials and incremental cost. It improves instrument's optical performance, optical precision, linear range and background correction effectively
- Develop internal lamp control technology. It makes normal hallow cathode lamps self-absorption background correction possible without and influence to instrument's stability. Meanwhile it will prolong working life of the lamps. Normal hallow cathode lamps are highly economical than special lamps
- Original''Hg lamp-regent'' gradient measurement. we established an exact mathematical model to estimate "single beam linear and balance"specification. This technology provided a fast and economic method for instrument self testing system. It also established a brand new method to improve instrument's detection Performance.
- Numerous technological innovation and renewal such as design asthenic, element lamp multidimensional automatic adjustment system, gas path electronics functional and modular design,
- No-adjustment D-lamp holder and so on.

#startupindia

Perfection in Laboratory Science

ISO 9001 : 2015 Certified Company

GBB SCIENTIFIC INSTRUMENTS PVT. LTD.
Corporate / Correspondence Manufacturing Unit:
Plot:- 195, Pocket-B, Sector-1, DSIIDC, Bawana Industrial Area, New Delhi - 110039
Contact : +91-9419172418 WhatsApp: +91-9419172418
E-mail: info@gbbscientific.com Web : www.gbbscientifi.com

सत्यमेव जयते

GOVERNMENT OF INDIA
MINISTRY OF CORPORATE AFFAIRS

Central Registration Centre

Certificate of Incorporation

[Pursuant to sub-section (2) of section 7 and sub-section (1) of section 8 of the Companies Act, 2013 (18 of 2013) and rule 18 of the Companies (Incorporation) Rules, 2014]

I hereby certify that GBB SCIENTIFIC INSTRUMENTS PRIVATE LIMITED is incorporated on this Twenty second day of January Two thousand twenty under the Companies Act, 2013 (18 of 2013) and that the company is limited by shares.

The Corporate Identity Number of the company is U74999DL2020PTC360637.

The Permanent Account Number (PAN) of the company is **AAICG1907F** *

The Tax Deduction and Collection Account Number (TAN) of the company is **DELG23401A** *

Given under my hand at Manesar this Twenty third day of January Two thousand twenty .

Digital Signature Certificate
ALOK TANDON
Deputy Registrar Of Companies
For and on behalf of the Jurisdictional Registrar of Companies
Registrar of Companies
Central Registration Centre

Disclaimer: This certificate only evidences incorporation of the company on the basis of documents and declarations of the applicant(s). This certificate is neither a license nor permission to conduct business or solicit deposits or funds from public. Permission of sector regulator is necessary wherever required. Registration status and other details of the company can be verified on www.mca.gov.in

---

Mailing Address as per record available in Registrar of Companies office:

GBB SCIENTIFIC INSTRUMENTS PRIVATE LIMITED
PLOT NO-195,G.F, PKT-B,SEC-1 BAWANA,DSIDC CITY, DELHI, West
Delhi, Delhi, India, 110039

* as issued by the Income Tax Department

DELHI-39

CERTIFICATE NO:
DIPP56546

Government of India
Ministry of Commerce & Industry
Department for Promotion of Industry and Internal Trade

#startupindia

CERTIFICATE OF RECOGNITION

This is to certify that ***GBB SCIENTIFIC INSTRUMENTS PRIVATE LIMITED*** *incorporated as a* ***Private Limited Company*** *on* ***22-01-2020****, is recognized as a startup by the Department for Promotion of Industry and Internal Trade. The startup is working in 'Healthcare & Lifesciences' Industry and 'Medical Devices Biomedical' sector as self-certified by them.*

This certificate shall only be valid for the Entity up to **Ten** years from the date of its incorporation only if its turnover for any of the financial years has not extended ₹ **100 Cr.**

04-07-2022	21-01-2030
DATE OF ISSUE	**VALID UPTO**

भारत सरकार
Government of India
सूक्ष्म, लघु एवं मध्यम उद्यम मंत्रालय
Ministry of Micro, Small and Medium Enterprises

UDYAM REGISTRATION CERTIFICATE

UDYAM REGISTRATION NUMBER	**UDYAM-DL-06-0051856**
NAME OF ENTERPRISE	**M/S GBB SCIENTIFIC INSTRUMENTS PRIVATE LIMITED**
TYPE OF ENTERPRISE *	**MICRO (Based on FY 2020-21)**
MAJOR ACTIVITY	**MANUFACTURING**
SOCIAL CATEGORY OF ENTREPRENEUR	**GENERAL**

NAME OF UNIT(S)

S.No.	Udyog Aadhaar Memorandum	Unit(s) Name
1	DL06A0024279	GBB SCIENTIFIC INSTRUMENTS PRIVATE LIMITED

OFFICAL ADDRESS OF ENTERPRISE

Flat/Door/Block No.	Bawana	Name of Premises/ Building	295
Village/Town	Bawana	Block	195
Road/Street/Lane	Dsidc	City	New Delhi
State	DELHI	District	NORTH WEST , Pin 110039
Mobile	9419172418	Email:	gbbscientific@gmail.com

DATE OF INCORPORATION / REGISTRATION OF ENTERPRISE	**21/01/2020**
DATE OF COMMENCEMENT OF PRODUCTION/BUSINESS	**21/01/2020**

NATIONAL INDUSTRY CLASSIFICATION CODE(S)

SNo.	NIC 2 Digit	NIC 4 Digit	NIC 5 Digit	Activity
1	26 - Manufacture of computer, electronic and optical products	2670 - Manufacture of optical instruments and equipment	26700 - Manufacture of optical instruments and equipment	Manufacturing

DATE OF UDYAM REGISTRATION	**09/07/2022**

*** In case of graduation (upward/reverse) of status of an enterprise, the benefit of the Government Schemes will be availed as per the provisions of Notification No. S.O. 2119(E) dated 26.06.2020 issued by the M/o MSME.**

Disclaimer: This is computer generated statement, no signature required. Printed from https://udyamregistration.gov.in & Date of printing:- 07/11/2022

Government of India

Ministry of Commerce and Industry

Directorate General of Foreign Trade

Office of the Additional Director General of Foreign Trade, CLA Delhi

Central Licensing Area (CLA),A Wing I.P. Bhawan, I.P. Estate,New Delhi

Importer-Exporter Code

This is to certify that **GBB SCIENTIFIC INSTRUMENTS PRIVATE LIMITED** is issued an Importer-Exporter Code (IEC) **AAICG1907F** with details as follows -

IEC	AAICG1907F
स्थाई खाता सं.(पैन) /PAN	AAICG1907F
फर्म का नाम/Firm Name	GBB SCIENTIFIC INSTRUMENTS PRIVATE LIMITED
निगम की प्रकृति /Nature of Concern	Private Limited
जारी करने की तारीख/Date of Issue	18/08/2022
पता/Registered Address	plot-195,pocket-B,Sector-1,DSIIDC Bawana industrial area, plot-195,pocket-B,Sector-1,DSIIDC Bawana industrial area, New Delhi, NORTH WEST DELHI, DELHI, 110039
धारक का नाम / Name of the Signatory	BASHIR AHMAD SHEIKH
Director / Partner Details	Refer online at https://dgft.gov.in or scan the QR Code
शाखा/इकाई /Branch Details	Refer online at https://dgft.gov.in or scan the QR Code

Last Modified : 18/08/2022

File Number : DLIIECPAPPLY00057317AM23

Note : This is a system-generated certificate. Authenticity / Updated details of the IEC can be checked at official DGFT website https://dgft.gov.in by entering the IEC and Firm Name under Services > View Any IEC Details. You can also authenticate the certificate by scanning the QR code.

Certificate of Registration

This is to certify that

GBB SCIENTIFIC INSTRUMENTS PVT. LTD.

Plot No. 195, Pocket-B, Sector-1, DSIIDC, Bawana Industrial Area,
New Delhi - 110039, India

has been independently assessed by QRO
and is compliant with the requirements of:

ISO 9001:2015

Quality Management System

For the following scope of activities:

Manufactures of Scientific Instruments

Date of Certification: 19th February 2020
2st Surveillance Audit Due: 18th February 2023
2nd Surveillance Audit Due: 18th February 2022
Certificate Expiry: 18th February 2026

Certificate Number: 304920021905Q

EGAC
CAB : 119005

Head of Certification

Validity of this certificate is subject to annual surveillance audits to be done successfully on or before 365 days from date of the audit.
(In case if surveillance audit is not allowed to be conducted: this certificate shall be suspended / withdrawn).
The Validity of this certificate can be verified at www.qrocert.org
This certificate of registration remains the property of QRO Certification LLP, and shall be returned immediately upon request.

India Office : QRO Certification LLP
142, IInd Floor, Aviar Enclave, Near Paschim Vihar West Metro Station, Delhi-110063, (INDIA)
Website : www.qrocert.org, E-mail : info@qrocert.org

GBB SCIENTIFIC INSTRUMENTS PRIVATE LIMITED
CIN No : U74999DL2020PTC360637
Corporate / Correspondence Manufacturing Unit:
Plot:- 195, Pocket-B, Sector-1,
DSIIDC, Bawana Industrial Area,
New Delhi - 110039

Contact : +91-9419172418
WhatsApp: +91-9419172418
E-mail: info@gbbscientific.com
Web : http://gbbscientific.com

List of customers 2020-2023

NAME	STATE	ORGAN.	DEPTT.	TITLE	PHONE	EMAIL
Dr.Professor SK Mehta	Aizawl Mizoram	Mizoram university	Botany	Head &Professor	9436353046	mzut051@mzu.edu.in
Dr.Professor F.A Baqal	Jammu and Kashmir	SKUAST-K	Dean college of temperate sericulture	Dean & head	9906579575	tsri@skuastkashmir.ac.in
Dr.Devender Sharma	Jammu & Kashmir	SKUAST-J	Entimology	professor	9419117305	devskuastj@gmail.com
KB Ramachandra n	Tamil nadu	Indian institute of technology	Biotechnolog y	professor	91-4411574118	kbram@iitm.ac.in
K satishkumar	Karnataka	Indian institute of science	Solid state structure	professor	9343305995	Sashe003@yahoo.com
Amit	Maharashtra	IIT Bombay	Chemical engineering	professor	91-2225764217	Amitanand22@gmail.com
Mannan Bopathi	Delhi	DRDO	Protective device	scientist	91-7512341848	mbpathik@yahoo.ac.in
Sandip patil	UP	IIT Kanpur	Chemical engineering	Researcher	9451222469	psandip@iitk.ac.in
Kumar abhishek	UP	IIT Kanpur	Chemical engineering	researcher	91-918327	abikumar@iitk.ac.in
Bhuvanesh Gupta	Delhi	IIT Delhi	Deptt of textile technology	Assistant professor	91-1126591416	bgupta@textile.iit.emet.in
Kusum pandey	Maharashtra	Naval material Research lab.	polymer	scientist	91-2512621958	Kpandey2004@yahoo.com
Tapas kumar	Maharashtra	Navel material research lab.	Ceramic division	scientist	91-2512620061	Tapas.chorgdar@yahoo.com
Dr S Bala kumar	Punjab	Nano science center	Nuclear physics	professor	91-600025	balasags@yahoo.com
Dr Mangala Joshi	Delhi	IIT Delhi	Textile technology	Assistant professor	91-1126596623	Mangalajoshi9@yahoo.com
Sanjeev kumar	telengana	CCMB	Molecular medicine	researcher	91-04712582	bmesan@ccb.res.in
shareef	Tamilnadu	IIT-Madras	Industrial chemistry	scientist	9716944028	shrfkt@gmail.com
K sreekumar	Kerala	Cochin university	Applied chemistry	Assistant professor	91-4842575804	drksreekumar@gmail.com
johysaha	West Bengal	Center glass and ceramic Reserch	Nano structural material	Assistant professor	1247334693509	chemjony@gmail.com
R Rathanmourth i	Tamil Nadu	PSG College of technology	Textile technology	Assistant professor	9894909520	Moorlhy.swety@yahoo.com
Dr.sumit	Odisha	NIT Rourkela	Centre of nano science	researcher	91-6612462210	Pal.sumit1@gmail.com
sasipriya	Tamil nadu	KS Ranga samy college of technology	Centre of nano science	researcher	996239981	ksasipriya@gmail.com