

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 40mm ² 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)
Photometric properties	Safety measures	Gas Leak check, prevention of gas release when flame dies out, prevention of flashback through pressure monitoring.
	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
Atomization System	Background Correction	High speed self-reversal (BGC-SR) method: High speed D2 lamp method (BGC-D2)
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°C
	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 hollow cathode lamps self-absorption background correction possible without and influence to instrument's stability. Meanwhile it will prolong working life of the lamps. Normal hollow 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.



Perfection in
Laboratory Science

CE ISO 9001:2015
Certified Company

GBB SCIENTIFIC INSTRUMENTS PVT. LTD.

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



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]

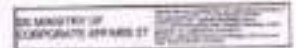
I hereby certify that GBB SCIENTIFIC INSTRUMENTS PRIVATE LIMITED is incorporated on this Twenty second day of January Two thousand twenty under the Companies Act, 2013 (18 of 2013) and that the company is limited by shares.

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

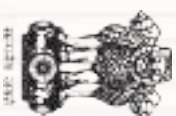
Mailing Address as per record available in Registrar of Companies office:

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



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

DATE OF ISSUE

21-01-2030

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	Dside	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 : DLIIIECPAPPLY00057317AM23



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

2nd Surveillance Audit Due: 18th February 2022

2st Surveillance Audit Due: 18th February 2023

Certificate Expiry: 18th February 2026

Certificate Number: 304920021905Q




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, Hind Floor, Avtar 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

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List of customers 2020-2023

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