

TEST REPORT	
Test Report Issued To: M.A.C. ENTERPRISE (MUM) BUILDING NO. 12, GALA NO. 201, HDIL INDUSTRIAL ESTATE VIRAR EAST, MUMBAI, MAHARASHTRA - 401305, INDIA	Test Report No:A2M231031016/M231031016-11Issue Date:20-Mar-2024Sample Booking/Receipt Date:31-Oct-2023Test Start Date:08-Jan-2024Test Completion Date:10-Jan-2024
Customer Relationship Number 76062 Sample Description : FIRE SEALANTS WITH PLASTER BOARD WALLS	Testing for Life
Customer Reference No : TRF DT.31/10/2023, VOUCHER NO.PO-15-MAC	Amendment Report to Test Report No:AM231031016/M231031016-11 Dated: 14-02-2024
Kind Attention :       MR. AMIT PRASAD         E-Mail:       India@soundofsilence.in       Contact	ot No: 8928868742
Sample Condition : Good Sample Quantity (Approx) : Nos S SAMPLE NOT DRAWN BY OUR LABORATORY. THE RESULTS	Sample Size (Approx) : * - * RELATE ONLY TO THE ITEMS TESTED
ULR-TC631424000001 Authencity of report can be verified by mail at ye This is a Digitally Signed Report and hence doesn	erification@spectrolab.in
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S-1, GNEPIP, Surajpur Industrial Area, Phase-V, Kasna, Greater Noida-201308 (India)



Report No. A2M231031016/M231031016-11

TEST REPORT

**Discipline: Mechanical** Group: Building Materials

# **TEST REPORT FIRE RESISTANCE TEST OF CONSTRUCTION ASSEMBLIES**

**TEST SPONSOR:** 

M.A.C. ENTERPRISE (MUMBAI)

**TEST ASSEMBLY:** 

FIRE SEALANTS (APAGAR FR SEALANT) WITH PLASTER BOARD WALLS

**TEST STANDARDS:** 

BS 476-20:1987\*; Fire tests on building materials and structures – Part 20: Method for determination of the fire resistance of elements of construction (general principles). \*Incorporating Amendment no. 1

BS 476-22:1987; Fire test on building materials and structures – Part 22: Methods for determination of the fire resistance of non-load bearing elements of construction.





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# TEST REPORT

# **1. INTRODUCTION**

Determination of the fire resistance of APAGAR FR SEALANTS WITH PLASTER BOARD WALLS according to: BS 476-20:1987\*; Fire tests on building materials and structures – Part 20: Method for determination of the fire resistance of elements of construction (general principles.) **\****Incorporating Amendment no.* **1** 

BS 476-22:1987; Fire test on building materials and structures – Part 22: Methods for determination of the fire resistance of non-load bearing elements of construction. The drywall has been evaluated in accordance with Method 5, Determination of the fire resistance of partition.

# 2. SPONSOR

Name:

**M.A.C. ENTERPRISE (MUMBAI)** 510 RAJNI MAHAL, TARDEO ROAD, 400034, MUMBAI, MAHARASHTRA, INDIA,400034,

### **TESTING LABORATORY**

Spectro

Name:	Spectro Analytical Labs Limited
Address:	S-1 GNEPIP, Surajpur Industrial Area
	Kasna, Greater Noida, Phase – V
	Gautam Budha Nagar (U.P.)
	Pin Code: 201308
	Ph: 0120-2341251/52

# 4. DATE OF TEST

Installation Date:	08-01-2024 to 09-01-2024
Fire Test Date:	10-01-2024

The test has been witnessed by:

Name	Company
Mr. Amit Prasad	M.A.C. ENTERPRISE (MUMBAI)
Mr. Shubham Tiwari	Gyproc India Pvt. Ltd.



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# **3. CONSTRUCTION**

# Description of Test specimen: -

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122.0mm thick Gypwall Habito partition consist of GypSerra® ("Patented in India (325062)") Metal framework partition having maximum reachable height of 4600mm satisfying L/240 criterion at 200Pa & sound insulation (Rw) of 52\*dB, tested in accordance to ISO 10140-2/ASTM E90 & spectrum adaption term as per ISO 717-1, having U-value of 0.40W/m<sup>2</sup>K & Severe duty rating as per BS 5234 part 2. Partition comprises of double layer, tapered edge Gypsum Board, certified GreenPro by CII & strategic location of manufacturing plants results in lower carbon emissions.

Partition includes inner layer of 12.5mm thick Gyproc®Fireline conforming to IS 2095 PART1 :2011 / EN520:2004 - TYPE-F, ASTM C1396-TYPE X, having flexural strength – {Longitudinal > 550N & transverse > 210N} & outer layer of 12.5mm thick Gyproc®Habito conforming to IS 2095 Part 1:2011 / EN 520: 2004 -Type A,D,R,I, having flexural strength – {Longitudinal > 1010N & transverse

> 550N} on one side & inner layer of 12.5mm thick Gyproc®Fireline & outer layer of 12.5mm thick mold resistant Gyproc®GlasrocH with Glass mat reinforcement & inorganic coating on surface, conforming to EN 15283-1 Type GM - FH1, having flexural strength – {Longitudinal > 540N & transverse > 210N} on other side of the framing. GypSerra® Metal frame work, designed in compliance with BS EN 14195 & manufactured using CR1 Grade Steel as per IS 513, having yield stress of 300MPa & tensile strength of 340MPa with surface finish of AZ150 as per IS 15961/AS 1397 & tested for 500hrs of salt spray test as per ASTM B117, includes 70x34x36x0.5mm GypSerra® C-Stud with lip of 6.5mm and H-cutout on web enabling the services to pass, having moment of inertia 61909mm4 about major axis, positioned at 610mm c/c in 72x32x32x0.5mm GypSerra® Floor Channel & 72x32x32x0.5mm GypSerra® Ceiling Channel with flanges bend at 5° acute angle.

Floor & Ceiling Channel is anchored with Gyproc® Rawl plug Ø8x45mm having Pull Out strength of 6.8KN or Nail\*\*, fixed at 600mm c/c in zig zag manner. 70x40x40x0.5mm GypSerra® Noggin Channel to be placed between the studs, behind the horizontal board joint. Inner & Outer layer of Gyproc<sup>®</sup> Boards to be Screw fixed with Gyproc®Drywall Screw & Gyproc®Habito Screw of 25mm with 12nos per m2 & 35mm with 24nos per m2 at spacing of 600mm & 300mm respectively. 50mm Glasswool of density 20kg/m3 shall be placed in Metal framework with the help of holding Clip. Edges & joints to be finished with Gyproc® Easi-Fill Hydro JC conforming to ASTM C475 & water absorption <5% as per EN 520 & Gyproc<sup>®</sup> Joint Fibre tape on wet side and Gyproc<sup>®</sup> Pro-Fill JC conforming to ASTM C475 & Gyproc<sup>®</sup> Paper tape on dry side. Periphery & cut-outs of the partition to be treated with APAGAR FR Sealant.



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- Gyproc<sup>®</sup> Control Joint to be provided at every 10m c/c along the length of wall.
- For heights between 4.2m to 8m, use Deep Ceiling Channel at head (subject to deflection criterion).
- Floor channel to be wrapped with 70µ Self Adhesive LDPE moisture barrier film.
- For partition height upto 5m, 300mm stud overlapping is required and above 5m, 600mm.
- Gyproc<sup>®</sup> Levelline CT corner bead to be applied at all corners.
- \*The sound insulation value is estimated with reference to INSUL and system with similar configuration.
- \*\*Contact Gyproc for capacity of Nail.

### DESCRIPTION

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APAGAR FR Sealant Is a one-part flexible acrylic water based acoustic, fire rated sealant. It is specifically formulated to form and acoustic and fire rated intumescent barrier by sealing gaps between plaster board walls, floor and ceilings dry linings, and kraft lined insulation boards. It adheres to all construction substrate and can be painted within one hour, dependent on temperature and humidity. APAGAR FR Sealant is solvent free, non flammable, and easy to use.

Forms an acoustic and fire rated intumescent barrier. Up to 2-hour fire rating can be achieved.

### TECHNICAL PROPERTIES

PROPERTIES	RESULT
Form	Soft Homogeneous Paste
Colour	White
Weight Per Litre	Approx1.5
Туре	NS (Non sag)
Base	Acrylic water based
Drying Time	30 min skin time
Shrinkage	approx. 12.5%
UV Resistance	Excellent
Joint Movement Capability	12.5%

### APPLICATION

Ensure all surfaces are clean, dry and sound. In order to obtain a smooth professional finish masking tape may be used to ensure neat sealant lines. Apply a continuous sealant bead into the joint. Tool within 5 minutes of application with a suitable spatula. Remove masking tape immediately after tooling.

APAGAR FR Sealant is only water resistant once fully cured; therefore, do not apply in damp conditions.

This APAGAR FR sealeant was used in all the corner and Joints . The overall dimensions of the test specimen were 3000 x 3000 x 122 mm (w x h x thk.)

Note: All details given above are shared by test sponsor and have been partially verified by Spectro.



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# **6. SPECIMEN VERIFICATION**

# 6.1. Specimen Definition

The testing laboratory has not been involved in the selection of the specimen.

# 6.2. Specimen Installation

Installation of the specimen: M.A.C. ENTERPRISE (MUMBAI) Supporting Construction: Spectro Analytical Labs Limited

**Spectro** 

# 7. METHOD OF TEST

# 7.1. Verification of the Test Specimen

The construction has been verified by testing laboratory, based on a detailed survey and with the technical information supplied by sponsor of the test. Spectro was not involved in the selection of the materials.

# 7.2. Conditioning

The specimen was stored in ambient conditions.

# 8. FIRE TEST

# 8.1. Measurements

The time-temperature curves have been controlled using nine thermocouples distributed evenly in the furnace.

The furnace thermocouples were placed at 150 mm from the exposed face of the specimen and this distance has been maintained throughout the entire test duration.

The ambient temperature at the commencement of the test was 15.5 °C.

The pressure in the furnace was controlled in accordance with paragraph 3.2.2 of BS 476-20:1987. Unexposed face temperature was measured and recorded.





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# 9. OBSERVATIONS

# 9.1. Pre -Test Observations

The specimen was found satisfactory and fit to be tested.

# 9.2. Test Observations

Time (in Minute)	Observations
0	Start of test
10	Smoke seen
15	Smoke continuous
30	Change in Physical Appearance
60	Change in Physical Appearance
90	Change in Physical Appearance
120	Change in Physical Appearance, End of test.

# 9.3. After-Test Observations

# 9.3.1. UNEXPOSED FACE OBSERVATIONS

The specimen was intact. The visible inner layer was discolored.

# 9.3.2. EXPOSED FACE OBSERVATIONS

The specimen was not intact. The inner layer was fallen down.

# **10. SUMMARY OF RESULTS**

APAGAR FR Sealant used in the drywall has been evaluated in accordance with BS 476-22, Method 5, Determination of the fire resistance of partition.

The requirement of the standard was satisfied for:

INTEGRITY	120 minutes
INSULATION	120 minutes



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# **11. PERFORMANCE CRITERIA**

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# 11.1 Integrity Performance:

Failure of the test construction to maintain integrity shall be deemed to have occurred when collapsed, sustained flaming for more than 10 seconds on the unexposed face, ignition or glowing of cotton pad when applied or permitting the penetration of gap gauges, as specified in BS 476-20 Section 10.3.2

# **11.2 Insulation Performance:**

The mean unexposed face temperature shall not be more than 140°C above its initial value and that maximum temperature rise shall not be in excess of 180°C above the initial mean unexposed face temperature or when integrity failure occurs, as specified in BS 476-20 Section 10.4.

# **12. LIMITATION**

The results only relate to the behavior of the specimen of the element of construction under the particular conditions of test; they are not intended to be the sole criteria of accessing the potential fire performance of the element in use nor do they reflect the actual behavior in fires.



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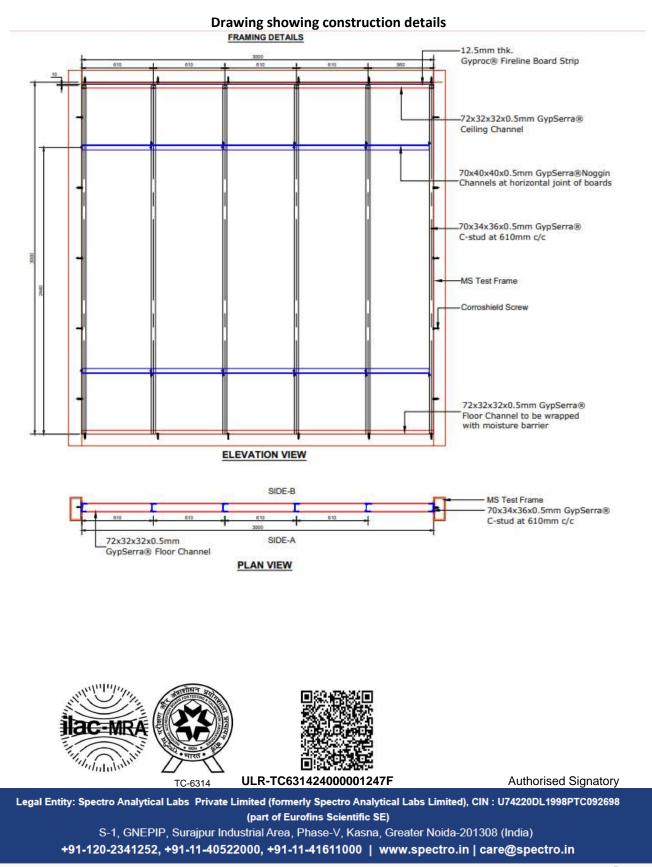
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# **APPENDIX A – DESCRIPTION OF SPECIMEN**



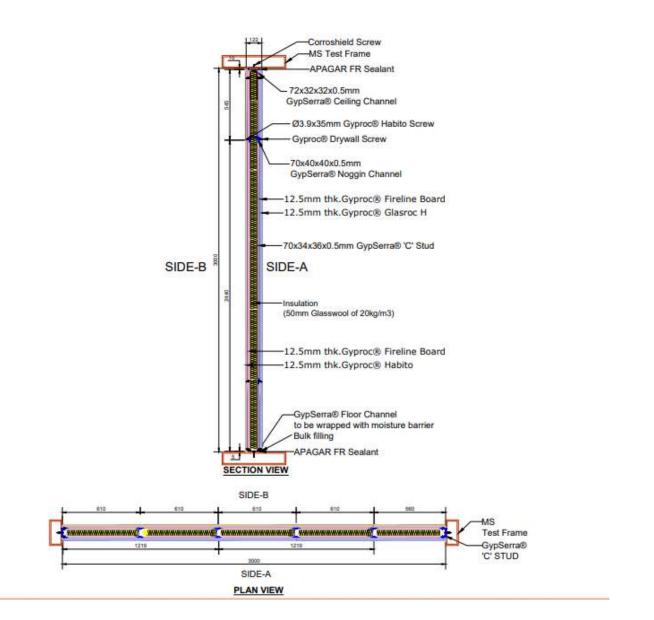


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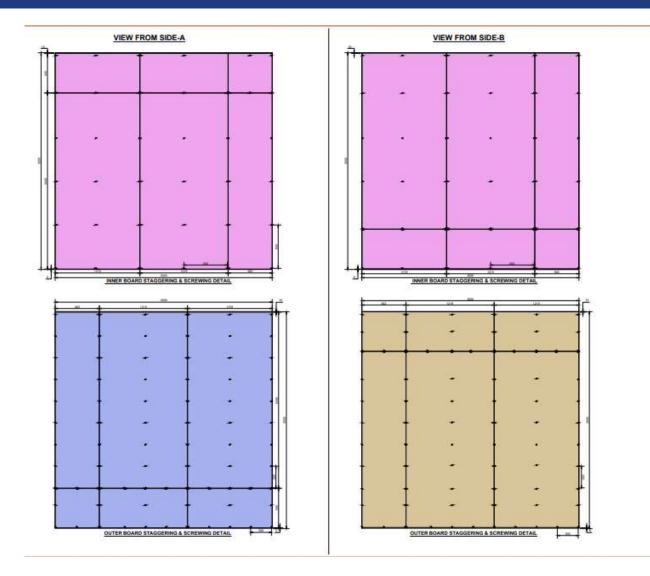
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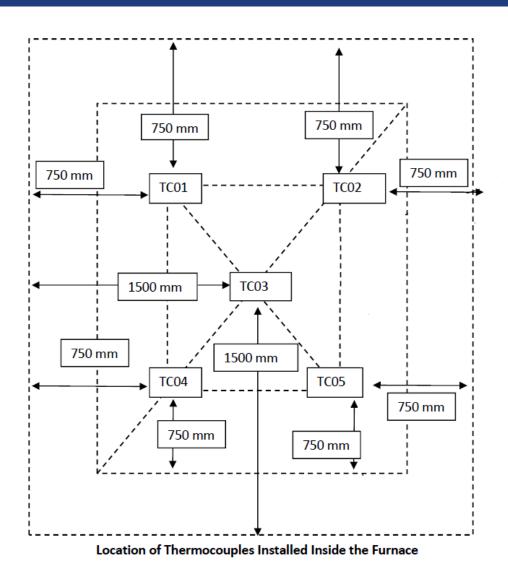
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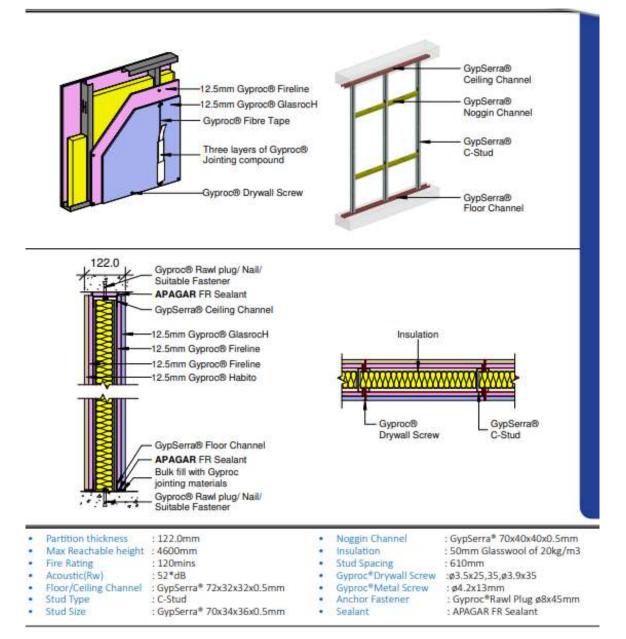
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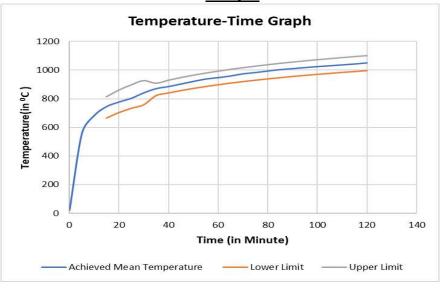
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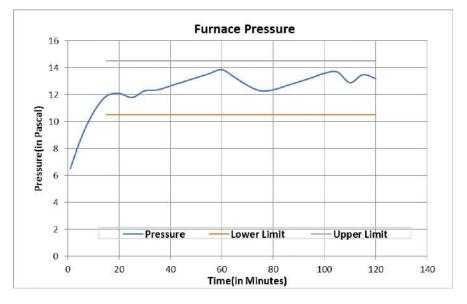
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# Graph







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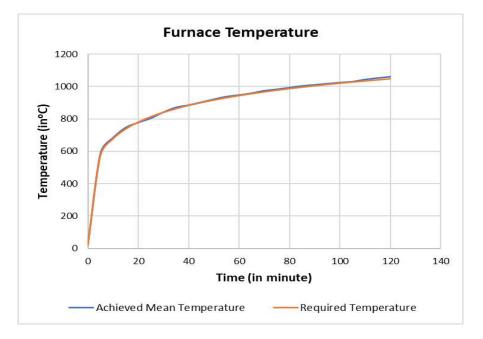
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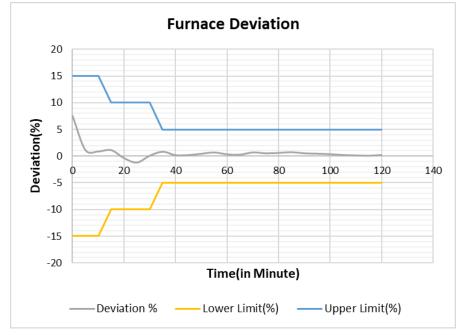
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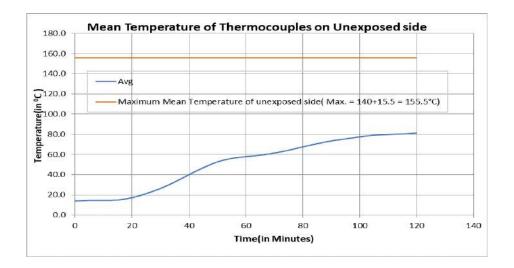
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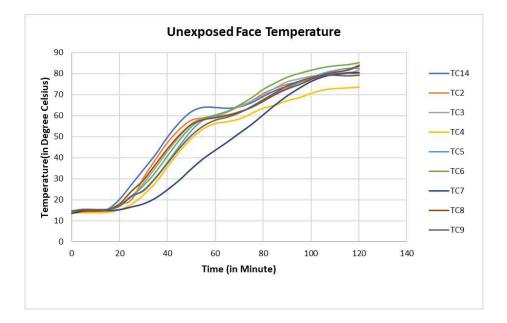
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# **PHOTOGRAPHS BEFORE TESTING**





# **PHOTOGRAPHS AFTER TEST**





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### General Terms & Conditions

pectro Analytical Labs Private Limited (formerly Spectro Analytical Labs Limited) undertakes to provide service to its customer subject to the terms & conditions mentioned her

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Area of Application

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 All Orders accepted by Spectro Analytical Labs Private Limited (formerly Spectro Analytical Labs Limited) (Collectively 'ES') will be governed by these General Terms and Conditions of Sales (the 'Terms and Conditions'), including orders placed by telephone within the aven on the on confirmed in writing and orders made by delivery of samples. A contract with these Terms and Conditions comes into being writing.
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 All roors of these Terms and Conditions supersede and replace all prior verbal or written price quotations and agreements between the parties and unless specifically indicated otherwise therein, take precedence over all conflicting or inconsistent provisions of subsequent written agreements between the parties. No officer (other than the Managing Director of ES), employee, agent or subcontractor of ES has the authority to alter or waive any of these Terms and Conditions or to make any representation which conflicts with or puports of these Terms and Conditions and osuch alterations, waiver or representation shall be binding upon ES, unless it is in writting and signed by the Managing Director of ES.
 Auseoment of Order
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subsequent orders. Each order accepted by ES will be treated as a separate contract between ES and the customer. 2.3 Any logistic service off-site of the laboratory must be paid in full, unless it has been cancelled or modified by the customer at least forty eight hours (48) in advance for collection services, ninety six (96) hours in advance for sampling services and one (1)

week in advance for auditing services. 3. Price and Terms of Payment

 Price and Terms of Payment
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 The data on order does not state otherwise, ES\* prices apply "ex works", excluding packaging, which is charged separately. Any additional cost or disbursement (e.g. incurred by ES in connection with the order) must be paid by the customer.
 Prices are exclusive of all applicable taxes (CST or Other taxes) and are based on tariffs in force at the day of the remittance of the offer to the customer. Applicable taxes are those in force at the date of invoicing.
 Unless ageclicable grade otherwise by ES in its acceptance of an order, payment of all invoices is due strictly within 30 days of the invoice date. Any dispute about invoice smuts the raised within 30 days of the invoice date. Any dispute about invoices must be raised within 30 days of the invoice date. Any dispute about invoices must be raised within 30 days of the invoice date. The challenge of any test result will not entitie a customer to defer payment. Any invoice withch remains outstanding after due date, may be additionally charged with an administrative penalty of Rupees Two hundred (Rs.200) and may carry interest as per MSMED Act.
 Invoices settlement method is Cheque, bank transfer or direct debt. Any other method of payment must teceive prior agreement from ES. The customer undertakes to provide bank account details.
 Es is entitle to require payment of up to 100% of the quoted order price as a condition of acceptance.
 Unites of Customer In Delivering Samples or Materials
 The samples or materials must be in a condition that makes the preparation of reports/analyses or the production of ordered products possible without difficulty. ES is entitled to conduct an initial examination of the samples or materials to check their condition before processing the samples or materials to check their condition before processing the samples, drawing up a report or using them in production. The cu initial examination is that an analysis or production is impossible or is possible only under more difficult conditions than originally anticipated ± for example, because the samples or materials have been interspersed with foreign materials or substances that were not reported by the customer or are degraded ± ES shall be entitled to terminate or interrupt the order and the customer shall bear costs incurred by ES to that point.

Into reported by the customer of all degraded 1 ES shall be entitled to entitleate of entitleate

customer shall bear all extraordinary costs for adequate disposal of hazardous waste resulting from the sample, whether or not described as hazardous waste. At ES' request, the customer must provide ES with the exact composition of the samples. 5. Property Rights on Sample Material and Sample Storage 5.1 All samples become the property of ES to the extent necessary for the performance of the order. Unless the customer pays for storage, ES shall have no obligation or liability for samples sent to ES for storage, including samples requiring refrigeration however ES retains the sample for three months. If the customer pays for further storage, ES will all excommercially reasonable steps to store the samples, according to professional practice. 5.2 Sample will be destroyed after one month from the date of release of test report unless specified by regulatory or ES and the customer have agreed in writing on the terms of ES' retention of the samples. ES also can dispose of or destroy the samples after the agreed upon retention period, without further notice and at customer's cost, should an extra cost for ES arise to comply with any regulation (for example, with respect to disposal of hazardous waste). If the customer requests the return of unneeded sample material, ES will return them to the customer's cost and risk.

5.3 The sample description is not verified in all cases and is given "as described by customer". Sample not drawn by us and analysis conducted on "as received bases". Unless specified otherwise

5.4 Lab relain the copy of report for 2 years from the date of release of test report or instructed by customer or any regulatory requirement and authenticity of test report can be verified within 2 years by sending mail at verification@spectrolab.in 6. Delivery Dates, Turnaround Time

6. Delivery Dates, Turnaround Time
 6.1 Delivery Dates, Turnaround Times are estimates and to not constitute a commitment by ES. Nevertheless, ES shall make commercially reasonable efforts to meet its estimated deadlines.
 6.2 Results are generally sent by email and/or by mail, or via other electronic means, to the attention of the persons indicated by the customer in the order, promptly after the analysis is completed.
 7. Transfer of Property
 7.1 Title in any analysis results, products, equipment, software or similar supplied by ES to the customer will remain with ES until all invoices in respect thereof have been paid by the customer in full, and until such full payment, the customer shall have no property rights or other rights to use them. In addition, even if ES has accepted and begun to fulfil an order, ES has the right at any lime stop processing that order and to stop doing any work for a customer if that customer is late in paying any amount due to ES, whether for that or any other order.
 7.2 Even after payment in full by the customer, ES shall retain the right to store, use and publish all analysis results in an anonymous form which does not identify the customer.

8. Limited Warranties and responsibilities 8.1 Orders are handled in the conditions available to ES in accordance with the current state of technology and methods developed and generally applied by ES and the results may not always be 100% exact and/ or relevant. Analyses, interpretations, sments, consulting work and conclusions are prepared with a commercially reasonable degree of care but ES cannot guarantee that these will always be correct or absolute. This limited warranty expires three months after the delivery date of the samp knowledgement of the order does not specifically state otherwise. In all cases, the customer must independently verify the validity of any results, interpretations, assessments and conclusions supplied by ES, if it wishes to rely on the same in respect of months after the delivery date of the samples, if the ackno natters of importance and shall do so at its own risk.

8.2 Each testing report relates exclusively to the sample analyzed by ES. If ES has not expressly been mandated and paid for the definition of the sampling plan (including which samples of which raw materials and finished products and at which frequent should be analyzed) and the definition of the precise range of analysis to be performed or if the customer has not followed ES recommendations, ES shall not bear any responsibility if the sampling plan and/or the range of analysis to be performed prove to be insufficient or inappro nriate

# 8.3 The customer's responsible for the proper delivery of samples sent to ES for examination/analyses or materials sent for production. Unless otherwise specifically agreed in writing by ES. ES accepts no responsibility for any loss or damage, which may occur

8.3 The customer is responsible for the proper delivery of samples sent to ES for examination/analyses or materials sent for production. Unless otherwise specifically agreed in writing by ES, ES accepts no responsibility for any loss or the agree for his days at unit in transit or to any sample in the loss of the sample form is dispatch until it is delivered. The customer will at all times be been for the sample form is dispatch until it is delivered to the offices or the sample form is dispatch until it is delivered to the dispersite set to ES for any losss. If for any loss or destruction of samples even after their receipt at its laboratories.
8.4 The customer warrants and represents to ES that all samples sent to ES for analy issas: private, claims and costs which ES, or its personnel, may suffer as a result of any sample or any order form of any perceived problem with the sample. The customer must always inform ES in writing prior to shipment and label the packaging, samples and *v* oronitaries appropriately, if the samples are degraderous on them set of a hazardous nature.
8.5 Unless explicitly agreed in writing yal parties, the contractual relationship shall be exclusively between the customer and ES. There shall be no third party beneficiary or collateral warranty relating to any order and the customer shall indemnify and hold ES harmless from any all alth (a party loss) and against any verticing to the ecompreticities or the sample for any case of the sample for any case of the sample for the customer and ES. There shall be no third party beneficiary or collateral warranty relating to any order and the customer shall indemnify and hold ES harmless from the less terrond should the coronnuricities and prelation pa

its about the test report should be communicated in writing within 7 days of the issue of the report Any compl

### 9. Limitation of Liability

9. Limitation of Liability
9.1 Except to the extent that such limitations are not permitted or void under applicable law: (a) ES (together with its workers, office clerks, employees, representatives, managers, officers, directors, agents and consultants and all ES partners and affiliales, the "ES Indemnifying Parties0) shall be liable only for the proven direct and immediate damage caused by the ES Indemnifying Party's willful misconduct in connection with the performance of an order and then, only if ES has received written notice thereof not later than six (6) months after the date of the customer's knowledge of the relevant claim (unless any longer period is prescribed under applicable law and cannot be contractually limited), and (b) in all cases (whether arising under contract, lott), negligence, strict liability, through indemnification or otherwise). Ites ES Indemnifying Parties' liability per claim or series of related claims, and the customer's exclusive remeets are successive remediate. The ES Indemnifying Parties' liability through the security and the customer's contact, and (ii) Invoice amount ES actually received from the customer in relation to the order subject to maximum of R to 1 and (Rmace Cont 1 and ).

(c) (i) the arect and immediate loss of damage caused by the ES indemnitying Party's wintul misconduct in connection with the performance of the order and (ii) invoice amount ES actually received from the customer in relation to the order subject to maximum of Rs.1 lac (Rupees One Lac)
9.2 The ES Indemnifying Parties shall not be liable for any indirect, direct or consequential loss of damage (including, but not limited to, loss of business, profits, goodwill, and business opportunities or similar) incurred by the customer or yany third party.
9.3 It is a condition of ES' acceptance of an order that the customer indemnifes the ES Indemnifying Parties are required to bear there according to these Terms and Conditions, and by placing an order the customer agrees to provide that indemnification.

under or services or products or software provided pursuant to these Terms and Conditions, accept to the detent that the ES Indemnifying Parties are required to bear them according to these Terms and Conditions, and by placing an order the customer agree provide that indemnification. 10. Repeated Analysis Objections to test results can be made within thirty (30) days after the customer receives the results. However, unless it would appear that the results of the repeated analysis do not match those of the first one, the customer shall bear the costs of the repeat testing or review. Furthermore, a repeated analysis will be possible only if ES has a sufficient amount of the original sample on hand when it receives the customer's objection. Otherwise the customer will be required to pay all costs, including sampling, transportation, analytical and disposal costs for the repeat analysis. No retest request will be accepted after return of tested sample.

Force Majeure cannot be held liable for del vrs, damages or other problems caused by events or circumstances which are unforeseen or beyond ES' reasonable control, or which result from compliance with governmental requests, laws and regulations

### 12. Confidentiality & Processing of Customer Data

12. Communicative a reconstruction of a state of the customer data (12) is the customer data (12 Indemnified Parties may incur as a result of such divulgence or any such third party reliance. 12.4 Test report certificate shall not be reproduced except in full, without written permission of laboratory

12.5 Test report certificate shall not be reproduced wholly or in parts and cannot be used as an evidence in a court of law and shall not be used in adverting media, without written permission of laboratory

### 13. Disclaimer and Miscellaneous

# 13. Disclaimer and Miscellaneous 13. ALL TERMS, CONDITIONS AND WARRANTIES (INCLUDING ANY IMPLIED WARRANTY AS TO MERCHANTABLE QUALITY OR FITNESS FOR A PARTICULAR PURPOSE) AS TO THE MANNER, QUALITY AND TIMING OF THE TESTING SERVICE AND RESULTS, EQUIPMENT, PRODUCTS OR SOFTWARE SUPPLIED BY ES ARE EXCLUDED TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW. THE WARRANTIES, OBLIGATIONS AND LIABIUTIES OF ES CONTAINED IN THESE TERMS AND CONDITIONS ARE EXCLUSIVE. 13. These Terms and Conditions may be modified in writing from time to time by ES and orders will be governed by the most recent version of these Terms and Conditions that is in effect at the time ES accepts the order. 13. Should a court waive, limit or hold to be invalid, legal or funefrozeable any part of these Terms and Conditions that is in effect at the time ES accepts the order. 13. Flairue by either ES or the customer to exercise the rights under these Terms and Conditions shall not constitute a waiver or forfeiture of such rights.

14. Governing Law/ Jurisdiction

14.1 The construction, validity and performance of these Terms and Conditions shall be governed by the laws and the commercial courts of Delhi Jurisdiction, Delhi State, India in which the registered office of the ES company which accepted the order in question is located (including in cases involving multiple coursels for the defense or third-party respondents), which shall have exclusive jurisdiction.

### \* End of Report \*

Legal Entity: Spectro Analytical Labs Private Limited (formerly Spectro Analytical Labs Limited), CIN: U74220DL1998PTC092698 (part of Eurofins Scientific SE)

S-1, GNEPIP, Surajpur Industrial Area, Phase-V, Kasna, Greater Noida-201308 (India)