HARI SHANKAR SINGHANIA ELASTOMER AND TYRE RESEARCH INSTITUTE (HASETRI)
PROFICIENCY TESTING (PT) DIVISION
Plot No. 437, Hebbal Industrial Area, Mysore – 570016, Karnataka, INDIA.

CONSENT FOR PARTICIPATION IN PT SCHEMES OF HASETRI - PT DIVISION

Hari Shankar Singhania Elastomer and Tyre Research Institute (HASETRI) Proficiency Testing (PT) Division is accredited as per the requirements of ISO/IEC 17043:2010 in Chemical and Mechanical field. This is an opportunity to analyze your laboratory performance against different global laboratories. Below table shows all the necessary details about the program.

Sl. No.	Program	Matrix	Proficiency Testing (PT) Scheme	Price (INR)	YES/NO	Expected number of Participants	Schedule
1.	Chemical	Rubber Product	T : Ash content S : ASTM D297/ASTM D6370/ ASTM E1131/IS 3400 part-22 R : 0.5 - 15.0%	15,000		20	Mar-22
2.			T : Carbon Black Content S : ASTM D297/ASTM D6370/ ASTM E1131/IS 3400 part-22 R : 10 – 60%				
3.			T : Volatile content S : ASTM D297/ASTM D6370/ ASTM E1131/IS 3400 part-22 R : 2 – 30 %				
4.			T : Polymer content S : ASTM D297/ASTM D6370/ ASTM E1131/IS 3400 part-22 R : 30 – 70%				
5.			T : Polymer Identification S : ASTM D3677/ ISO4650 R : Qualitative				

T : Test Parameter **S** : Standard Test method **R** : Range

Sl. No.	Program	Matrix	Proficiency Testing (PT) Scheme	Price (INR)	YES/NO	Expected number of Participants	Schedule
6.	Chemical	Carbon Black	T : Iodine Adsorption Number (IAN) S : ASTM D1510 R : 80 – 140 g/Kg	15,000		20	Nov-22
7.			T : Heat loss S : ASTN D1509/ISO1126 R : 10.0 %				
8.			T : Ash content S : ISO 247-1/ASTM D5667 R : 0.01 – 5.0%				
9.			T : pH S : ASTM D1512 R : 5 - 8				
10.			T : Oil Absorption Number (OAN) S : ASTM D2414/ ISO 4656 R : 10 – 200 ml/100g				
11.			T : Nitrogen Surface Area S : ASTM D6556/ ISO 18852 R : 1 – 300 m2/g				
12.		Silica	T : pH S : ASTM D6739 R : 4 - 12	10,000		20	Jan-24
13.			T : Heat Loss S : ASTM D6738 R : 3 – 7%				
14.			T : SiO2 content S : ISO 3262-20/ ISO 5794-1 R : 90 – 100%				

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Sl. No.	Program	Matrix	Proficiency Testing (PT) Scheme	Price (INR)	YES/NO	Expected number of Participants	Schedule
15.	Chemical	Silica	T : Ignition Loss S : ASTM D1208/ ISO 3262-20/ ISO 5794-1 R : 2 – 8%				
16.			T : Nitrogen surface area S : ASTM D1993 R : 1 – 300 m2/g				
17.		Process Oil	T : Aniline Point S : ASTM D611 R : 10 - 150°C	15,000	☐	20	Mar-23
18.			T : Flash Point S : ASTM D92 R : 60 – 300°C				
19.			T : Specific Gravity S : ASTM D1298 R : 0.6 - 1.3 g/cm3				
20.			T : Kinematic viscosity S : ASTM D445 R : 10 – 50 mm2/s				
21.		Latex	T : Total Solid S : ASTM D1417 R : 1 - 90 %	10,000	☐	20	July-23
22.			T : pH S : ASTM D1417 R : 1-14				
23.		Natural Rubber	T : Ash Content S : ISO 247-1 R : 0.1 - 45 %	12,500	☐	20	Sept-23
24.			T : Volatile Matter S : ISO 248-1/ ISO 248-2 R : 0.0 - 10 %				

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Sl. No.	Program	Matrix	Proficiency Testing (PT) Scheme	Price (INR)	YES/NO	Expected number of Participants	Schedule
25.	Chemical	Natural Rubber	T : Dirt content S : ASTM D1278/ ISO 249 R : 0.0 - 10 %				
26.			T : Nitrogen content S : ISO 1656 R : 0 – 0.5 %				
27.		Synthetic Rubber	T : Ash content S : ASTM D5667/ ISO 247-1 R : 0.0 - 45 %	12,500		20	July-24
28.			T : Volatile Matter S : ASTM D5668/ ISO 248-2/ ISO 248-1 R : 0.1 - 10 %				
29.			T : Glass transition temperature S : ASTM D7426/ ASTM E1356/ ISO 22768 R : (-)160 –200 °C				
30.			T : Oil Content S : ASTM D5774 R : 1 - 40 %				
31.			T : Mixed organic acid content S : ASTM D5774/ ISO 7781 R : 1 - 5 %				
32.			T : Soap content S : ASTM D5774/ ISO7781 R : 0.01 - 5 %				
33.		Rubber Chemical	T : Ash Content S : ASTM D4574/ ISO28641/ ISO 11235 R : 0.0 - 10 %				
34.			T : Heat Loss S : ISO 28641/ ISO 11235 R : 0.0 – 10 %				

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Sl. No.	Program	Matrix	Proficiency Testing (PT) Scheme	Price (INR)	YES/NO	Expected number of Participants	Schedule
35.	Chemical	Rubber Chemical	T : Volatile content S : ASTM D4571 R : 0 – 10 %	12,500		20	Jul-22
36.			T : Softening Point S : ASTM E28/ ISO 28641 R : 50 – 110°C				
37.			T : Melting point S : ASTM D1519/ISO 11235/ ASTM E794 R : 70 – 160°C				
38.	Mechanical-Rubber	Cured elastomeric compound	T : Hardness Shore A S : ASTM D 2240 /ISO 48-4 /IS 3400 (Part 23) R : 40 – 90 Shore A	12,500		50	Mar-22
39.			T : Hardness IRHD S : ASTM D 1415 /ISO 48-2 /IS 3400 (Part 2) R : 40 – 90 IRHD				
40.			T : Stress at 300% Elongation S : ASTM D412 /ISO 37 /IS 3400 (Part 1) R : 1 – 30MPa	12,500		50	Mar-22
41.			Tensile Strength S : ASTM D412 /ISO 37 /IS 3400 (Part 1) 1 – 30MPa				
42.			T : Breaking Elongation S : ASTM D412 /ISO 37 /IS 3400 (Part 1) R : 10 – 500%				
43.			T : Tear Strength S : ASTM D 624/ ISO 34-1 / IS 3400 (Part 17) R : 10 – 100N/mm	10,000		25	May-22
44.			T : Rebound Resilience S : ASTM D 7121/ ISO 4662 / IS 3400 (Part 11) R : 10 – 90 %	10,000		25	Mar-23

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Sl. No.	Program	Matrix	Proficiency Testing (PT) Scheme	Price (INR)	YES/NO	Expected number of Participants	Schedule
45.	Mechanical-Rubber	Cured elastomeric compound	T : Compression Set S: ASTM D 395 / ISO 815-1 /IS 3400 (Part 10) R : 10 – 70%	10,000		50	May-23
46.			T : Density S: ISO 2781 / IS 3400 (Part 3) R : 0.90 – 2.0g/cc	12,500		25	Jul-23
47.			T : Abrasion Loss S : ISO 4649 / IS 3400 (Part 9) R : 10 – 300mm3				
48.			T : Abrasion Resistance Index S: ASTM D 5963/ ISO 4649 / IS 3400 (Part 9) R : 10 – 300%				
49.			T : Glass Transition Temperature S : ASTM D 5992 / ISO 4664-3 R : 0 – -50 °C	15,000		25	Sept-23
50.			T : Storage Modulus S : ASTM D 5992 / ISO 4664-1 R : 1 – 40MPa				
51.			T : Loss Modulus S : ASTM D 5992 / ISO 4664-1 R : 1 – 40MPa				
52.			T : Tan delta S : ASTM D 5992 / ISO 4664-1 R : 0.01 – 1.00				
53.			T : Heat build up S : ASTM D623 / ISO4666-3 R : 1 - 40 °C	10,000		20	July-22
54.			T : Ozone Resistance S : ASTM D1419 / ISO1431-1 / IS 3400 (Part XX) R : Qualitative	10,000		20	Sept-22

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Sl. No.	Program	Matrix	Proficiency Testing (PT) Scheme	Price (INR)	YES/NO	Expected number of Participants	Schedule
55.	Mechanical-Rubber	Raw Rubber	T : Mooney Viscosity S : ASTM D1646 / ISO 289-1 R : 20 – 100 Mooney Units	10,000		50	Jun-22
56.		Uncured elastomeric compound	T : Minimum Torque S : ASTM D 5289 / ISO 6502 R : 1 – 15 lb-in	12,500		50	Oct-22
57.			T : Maximum Torque S : ASTM D 5289 / ISO 6502 R : 1 – 50 lb-in				
58.			T : Scorch Time S : ASTM D 5289 / ISO 6502 R : 0.1 – 30 min				
59.			T : Cure Time S : ASTM D 5289 / ISO 6502 R : 0.1 – 60 min				
60.			T : Mooney Scorch S : ASTM D1646 / ISO 289-2 R : 1 – 50 min				
61.	Mechanical - Reinforcement	Textile (Dipped Fabric)	T : Breaking Strength (kgf) S : ASTM D885/D885M − 10a R : 5-100 kgf	12,500		50	Feb-22
62.			T : Part Load Elongation at (6.8kg) (%) S : ASTM D885/D885M − 10a R : 1.0 – 20.0%				
63.			T : Elongation @ Break (%) S : ASTM D885/D885M − 10a R : 1 -50%				

T : Test Parameter **S** : Standard Test method **R** : Range

Sl. No.	Program	Matrix	Proficiency Testing (PT) Scheme	Price (INR)	YES/NO	Expected number of Participants	Schedule
64.	Mechanical - Reinforcement	Textile (Dipped Fabric)	T : Thermal Shrinkage (%) S : ASTM D4974-04 R : 0.5 – 10.0%	10,000		50	Feb-22
65.			T : Cable Twist (TPM) S : ASTM D885/D885M − 10a R : 200-500TPM				
66.		Steel Tyre Cord	T : Breaking Strength (N) S : ASTM D2969-04 R : 100 – 5000 N	12,500		30	May-22
67.			T : Linear Density (g/m) S : ASTM D2969-04 R : 2.0 -25 g/m				
68			T : Elongation at Break (%) S : ASTM D2969-04 R : 2 – 10 %				

T : Test Parameter **S** : Standard Test method **R** : Range

Sl. No.	Program	Matrix	Proficiency Testing (PT) Scheme	Price (INR)	YES/NO	Expected number of Participants	Schedule
69.	Chemical	Coal*	T : Ash Content S : IS 1350-1 R : 1 – 50%	5,000	☐	50	Jul-22
70.			T : Moisture Content S : IS 1350-1 R : 0.1 – 10%				
71.			T : Volaile matter S : IS 1350-1 R : 5 – 60%				
72.			T : Fixed carbon S : IS 1350-1 R : 10 – 100%				
73			T : Calorific value S : IS 1350-2 R : 2500 – 6000KCal/Kg				

T : Test Parameter **S** : Standard Test method **R** : Range

Note:

1. Please mark your response "YES/NO" in ☐ *at the Proficiency Testing (PT) schemes that you are interested to participate and send back the form with necessary details.*

2. The programs have been accredited according to ISO/IEC 17043:2010 by National Accreditation Board for Testing and Calibration Laboratories (NABL).

3. Laboratory can participate in PT Programs with equivalent test methods also.

*4. *Not covered under NABL Accredited scope.*

5. GST 18% will be extra against each scheme.

Company Details

Name of Official: ……………………..………………………….. Designation: ……………………………….……………………………......

Department: ……………………………………………………..…..Telephone: ……………………………………………..……………………..

E-mail:..…………………………………………………………..……..Mobile: …………………………………..……………………………

Name of the Company: ………..…..

Address of the Company: ……

City: ………………………………. ………………………………Country: ………………………………………………………………….....

Postal / Zip code: ………………………………………………………..

Date:

Authorized signatory (with seal)

Place: