



IRMRA



Certificate No. TC-7719

INDIAN RUBBER MANUFACTURERS RESEARCH ASSOCIATION

Affiliated to DPIIT, Ministry of Commerce & Industry (Government of India)
(A NABL (ISO/IEC - 17025 : 2005) Accredited Laboratory)
E-mail : info@irmra.org • Website : www.irmra.org

DEVELOPMENTAL EVALUATION REPORT

ULR No : TC77192000004370P

11 Mar 2020

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--- CUSTOMER DETAILS ---

Customer Name & Address :	
M/s.Saga Elastomer Pvt Ltd Gala No. 1, Plot No. 6, Aliyali Village, Dewan&Sons Industrial Complex, Dist- Palghar-401404	
Contact Person :	Mr. Milind Laddha
Telephone No :	-28458738
Customer Letter Ref No with Date :	Letter Dated 26 Feb 2020
Date of Receipt :	02 Mar 2020
Any Other Information like witness / third party	-

--- SAMPLE DETAILS ---

Sample Code / Description	Rubber Profile
Product Specification	NIL

--- REPORT DETAILS ---

Description of Report	Page Nos
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TC77192000004370F - C & I -	3 of 3

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Prepared and Checked By



भारतीय रबर निर्माता अनुसंधान संघ
Indian Rubber Manufacturers Research Association
HOD Customer Service Cell

एन.ए.फोंडके (वरिष्ठ अधिकारी-ग्राहक सेवा)
N. A. Phondke (Senior Officer-Customer Service)



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TECHNICAL REPORT / M & R

ULR No : TC771920000004370P

1.1 MAR 2020

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Sample : Rubber Profile Specn. NIL

Test (Condition)	Method	Unit	Specified Value	Observed Value
Tensile Strength (Before Ageing.)	ASTM D-412	MPa	-	6.9
Elongation at Break (Before Ageing.)	ASTM D-412	%	-	172
Hardness (After Air ageing@70°C/72hrs.)	ASTM D-2240	Shore A	-	76
Change in Tensile Strength (After Air ageing@70°C/70hrs.)	ASTM D-573	%	-	+3
Change in Elongation at Break (After Air ageing@70°C/70hrs.)	ASTMD-573	%	-	-2
Change in Hardness (After Air ageing@70°C/70hrs.)	ASTM D-573	Points	-	0
Compression Set (@70°C/22hrs/25%defle.)	ASTMD-395 Method-B	%	-	11
Colour	--	-	Black	Black

Note: 1 MPa = 10.2 Kg/cm².

Prepared and Checked By



भारतीय रबर निर्माता अनुसंधान संघ
Indian Rubber Manufacturers Research Association
Authorised Signatory

मनोहर नवाले (सिनिष्ठ वैज्ञानिक अधिकारी)
Manohar Naware (Senior Scientific Officer)



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TECHNICAL REPORT / C & I

ULR No : TC771920000004370F

11 MAR 2020

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Sample : Rubber Profile Specn. NIL

Test (Condition)	Method	Unit	Specified Value	Observed Value
Polymer Identification (FT-IR)	ISO-4650	-	-	Ethylene Propylene Diene Rubber [EPDM]
Polymer Content	ASTM E-1131	% by wt.	-	31.4
Ash Content	ASTM D 297	% by wt.	-	4.59
Volume Change (Distilled Water/100°C/70hrs.)	ASTM D-471	%	-	+5.43
Density	ASTMD-297	gm/cc	-	1.22

ENCL:FTIR & TGA GRAPH

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Indian Rubber Manufacturers Research Association

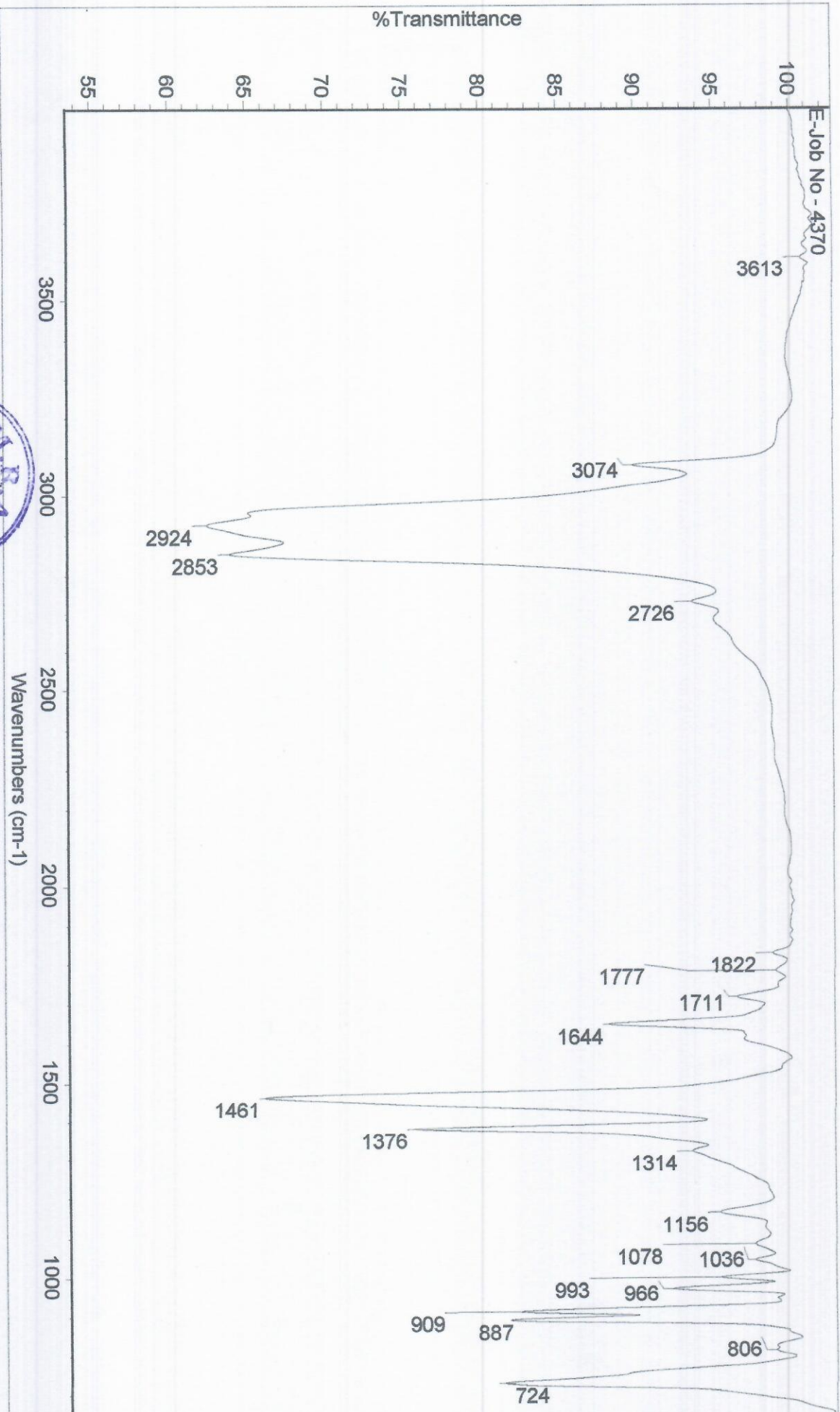
Authorised Signatory

मनोहर नवाले (श्रीष्ठ वैज्ञानिक अधिकारी)
Manohar Nawale (Senior Scientific Officer)

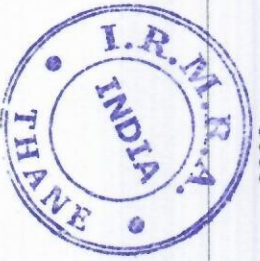
FTIR GRAPH

IRMRA

Date: 04-03-2020

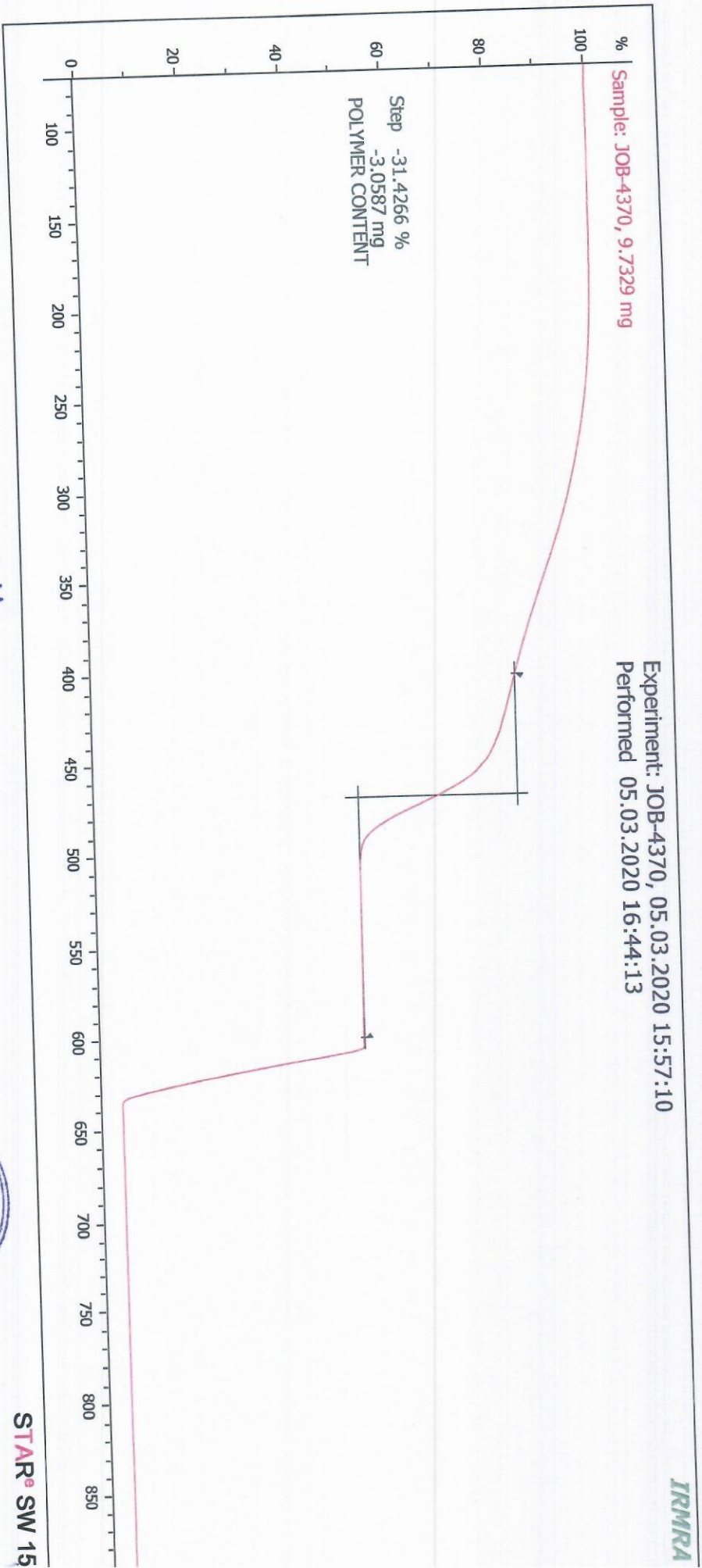


E-Job No - 4370



Ethylene propylene Diene Rubber [EPDM]

A handwritten signature in blue ink.



IRMIRA: METTLER

Solution

