



IRMRA



INDIAN RUBBER MANUFACTURERS RESEARCH ASSOCIATION

An Autonomous Institute Under DPIIT, Ministry of Commerce & Industry, Government of India

E-mail : info@irmra.org • Website : www.irmra.org

DEVELOPMENTAL EVALUATION REPORT

ULR No : TC771923000005293	28 Mar 2023	Page 1 of 3
----------------------------	-------------	-------------

--- CUSTOMER DETAILS ---

Customer Name & Address :	
M/s.Topfloor Sports Infra Pvt Ltd. Survey No.199, Vaghroda Village - Vaghroda , Taluka - Kadi Mehsana, Gujarat, 38271	
Contact Person & Telephone No :	Dhaval Patel -
Period of Testing:	27 Mar 2023 to 28 Mar 2023
Customer Letter Ref No with Date :	Email Dated 23 Mar 2023
Date of Receipt :	27 Mar 2023
Any Other Information like witness / third party	EPDM Rubber Slab

--- SAMPLE DETAILS ---

Sample Code / Description	EPDM Rubber Slab
Product Specification	-NIL-

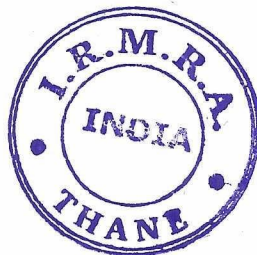
--- REPORT DETAILS ---

Description of Report	Page Nos
TC771923000005293 - M & R -	2 of 3
TC771923000005293 - C & I -	3 of 3

Terms and Conditions

1. Sample was not drawn by IRMRA, unless otherwise stated.
2. The result enclosed are only related to the sample submitted to us.
3. The report shall not be reproduced except in full without prior written permission of laboratory.
4. Information contained in this letter / or enclosed reports is/are purely meant for your guidance and should not be used for litigation/evidence/advertisement, without prior permission from laboratory.

Suchismita Sahoo
Prepared and Checked By



भारतीय रबड़ निर्माता अनुसंधान संघ
Indian Rubber Manufacturers Research Association

Suchismita Sahoo
HOD Customer Service
Suchismita Sahoo

निदेशक
Senior Assistant Director



IRMRA



INDIAN RUBBER MANUFACTURERS RESEARCH ASSOCIATION

An Autonomous Institute Under DPIIT, Ministry of Commerce & Industry, Government of India

E-mail : info@irmra.org • Website : www.irmra.org

TECHNICAL REPORT / M & R

ULR No : TC771923000005293

28 MAR 2023

Page 2 of 3

Sample : EPDM Rubber Slab Specn.

Test (Condition)	Method	Unit	Specified Value	Observed Value
Tensile Strength (Before Ageing.)	ASTM D-412	kg/cm ²	-	18
Elongation at Break (Before Ageing.)	ASTM D-412	%	-	1068
Hardness (Before Ageing.)	ASTM D-2240	Shore A	-	53
Colour (Remarks)	--	-	-	Brown

Prepared and Checked By



भारतीय रबर निर्माता संघ
Indian Rubber Manufacturers Association

सुचिस्मिता साह
Suchismita Saha

Authorised Signatory

सहायक निदेशक
Senior Assistant Director



IRMRA



INDIAN RUBBER MANUFACTURERS RESEARCH ASSOCIATION

An Autonomous Institute Under DPIIT, Ministry of Commerce & Industry, Government of India

E-mail : info@irmra.org • Website : www.irmra.org

TECHNICAL REPORT / C & I

ULR No : TC771923000005293

28 MAR 2023

Page 3 of 3

Sample : EPDM Rubber Slab Specn.

Test (Condition)	Method	Unit	Specified Value	Observed Value
Polymer Identification (By FT-IR)	ISO:4650	--	-	Ethylene Propylene Diene Rubber [EPDM]
Low Boiling Materials (By TGA)	ASTM E-1131	% by Wt	-	13.7
Polymer Content (By TGA)	ASTM E-1131	% by wt	-	24.2
Ash Content (By TGA)	ASTM E-1131	% by wt	-	62.1
Specific Gravity	ASTMD-297	-	-	1.57

ENCL:FTIR & TGA GRAPH

Slatkin
Prepared and Checked By



भारतीय रबर निर्माता अनुसंधान संघ
Indian Rubber Manufacturers Research Association

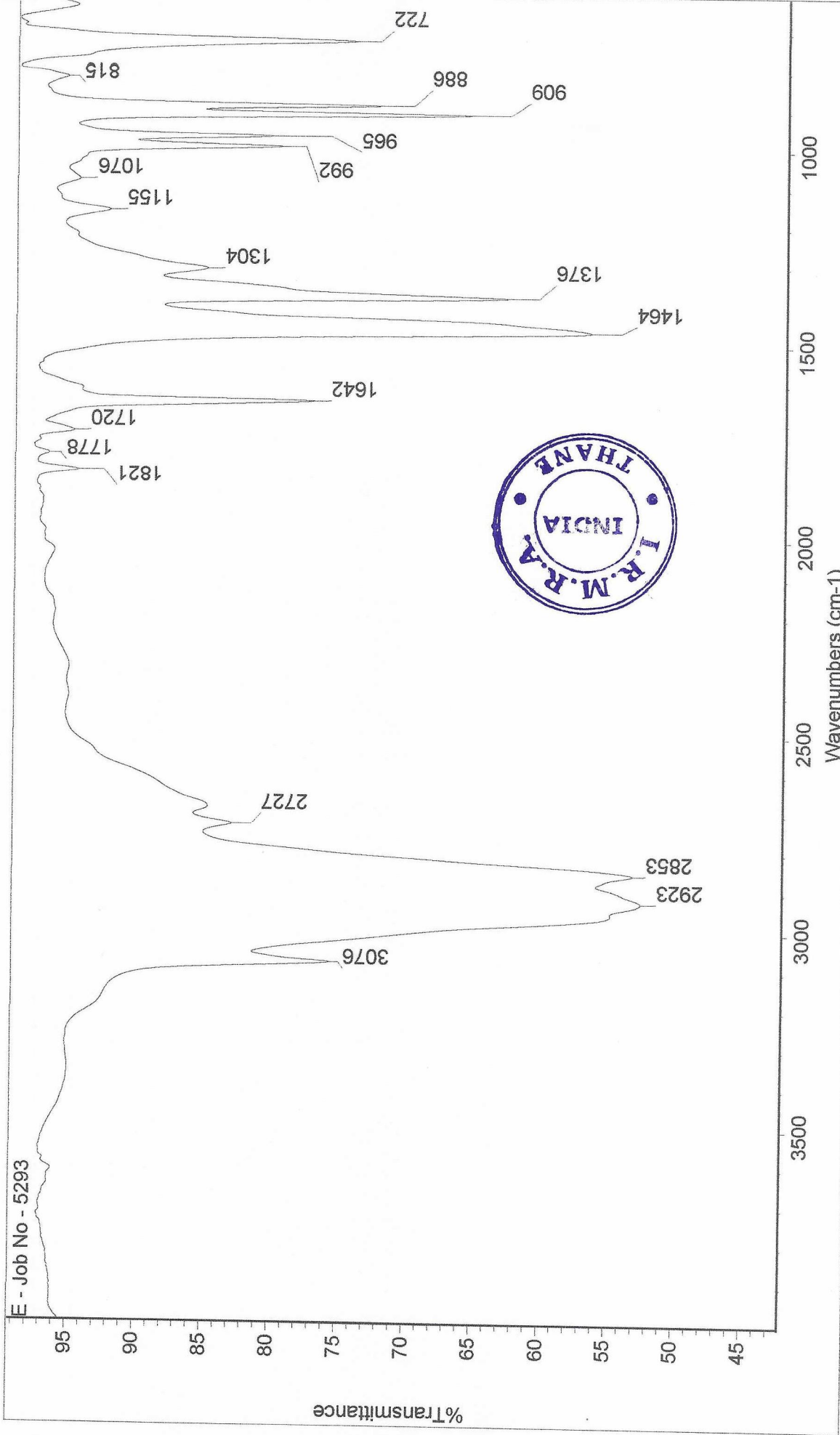
Suchismita Sahoo
Authorised Signatory
Suchismita Sahoo
सुचिस्मिता साहू
Senior Assistant Director

--- End of report ---

FTIR GRAPH

IRMRA

Date: 28-03-2023



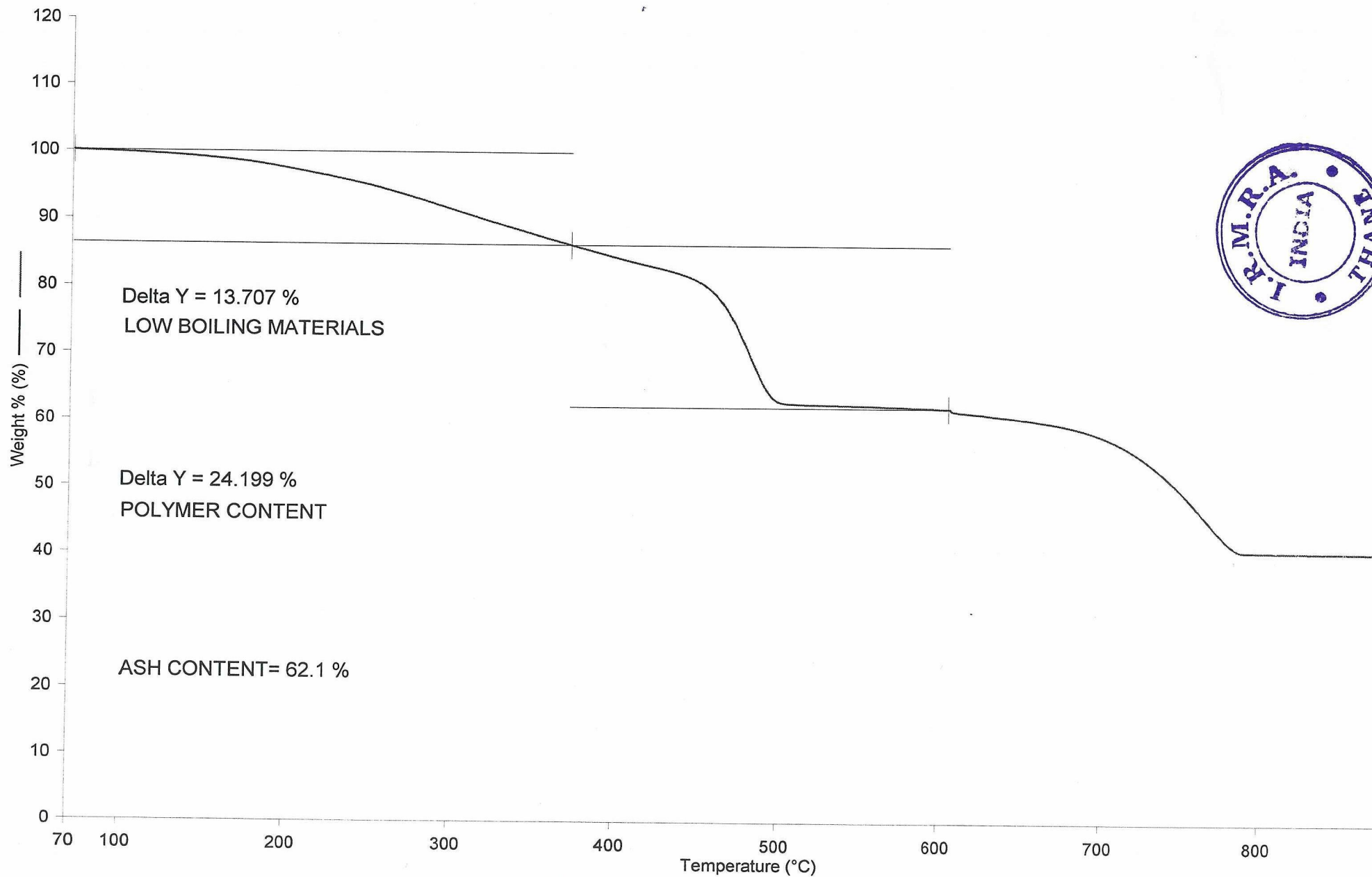
E - Job No - 5293

E - Job No - 5293

Ethylene Propylene Diene Rubber [EPDM]

Slattun

Filename: D:\2023\MARCH\JOB-5293.t6d
Operator ID:
Sample ID: JOB-5293
Sample Weight: 8.626 mg
Comment:



Siddharth

1) Heat from 70.00°C to 900.00°C at 20.00°C/min

3/28/2023 4:34:53



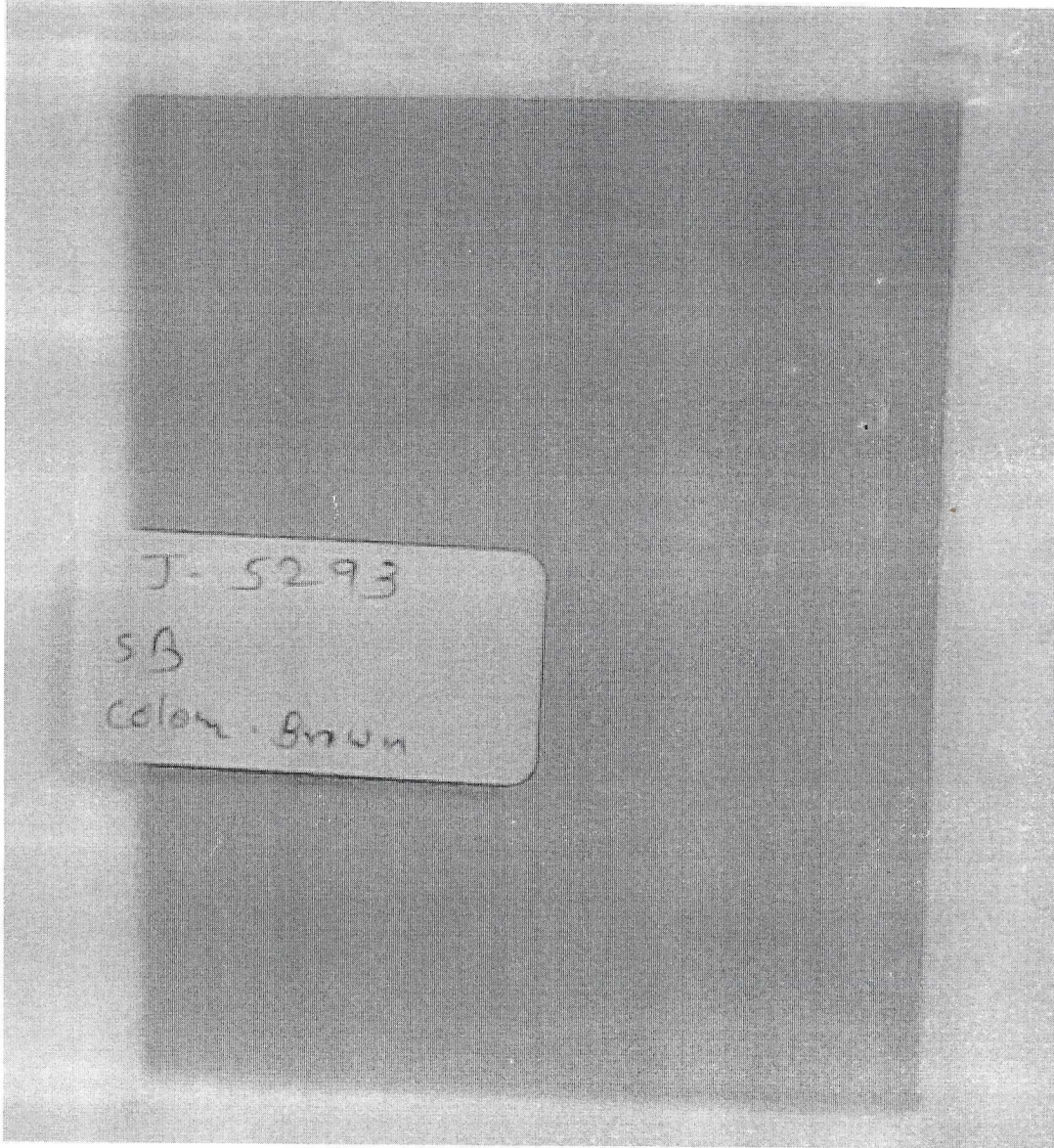
IRMRA

INDIAN RUBBER MANUFACTURERS RESEARCH ASSOCIATION

An Autonomous Institute Under DPIIT, Ministry of Commerce & Industry, Government of India

E-mail : info@irmra.org • Website : www.irmra.org

ULR No. TC771923000005293



J-5293
SB
Color - Brown



भारतीय रबड़ निर्माता अर्थात्संघान संघ
Indian Rubber Manufacturers Research Association

सुचिस्मिता साह
Suchismita Sahoo

Suchismita Sahoo
ज्येष्ठ सहायक निदेशक
Senior Assistant Director