



INSTITUT GUMÁRENSKÉ TECHNOLOGIE A TESTOVÁNÍ, A.S.  
RUBBER TECHNOLOGY AND TESTING INSTITUTE, Plc.  
INSTITUT FÜR GUMMITECHNOLOGIE UND PRÜFWESEN, A.G.  
A.O. «ИНСТИТУТ ТЕХНОЛОГИИ РЕЗИНЫ И ИСПЫТАНИЙ»

Společnost je zapsána v obchodním rejstříku vedeném Krajským soudem v Brně, oddíl B, vložka 818



Zlín 16<sup>th</sup> June 2025

E8\*75R00/20\*1769\*00

Yokohama TWS Slovenija d.o.o.  
Škofjeloška cesta 6  
4000 Kranj  
SLOVENIA

**Communication concerning the approval and notification of approval number and inspection report issued by Inspection body IGTT**

Tyre type fully complies requirements of ECE/UN R75.

Enclosed you will find the Communication concerning the approval of your tyres according to ECE/UN Regulation No. 75

On the base of this approval you are entitled to produce in your factory tyres of the dimension:

**150/70-14 MITAS ENDURO TRAIL-ADV 2 66S**

with the approval number : **E8 75R - 001769**

date of inspection : **16<sup>th</sup> June 2025**

inspector's name : **Václav Hořelka**

Sincerely yours,



**Václav Hořelka**  
Head Of Tyre Approval Department  
Head Of Inspection Body IGTT

**APPLICATION FOR APPROVAL OF A TYPE OF PNEUMATIC TYRE  
FOR MOTORCYCLES AND MOPEDS ACCORDING TO ECE REGULATION No. 75**

**E8 75R – 001769**

4.1.1. Tyre size designation:	150/70-14
4.1.2. Manufacturers name, tyre name:	MITAS, ENDURO TRAIL-ADV 2
4.1.3. The category of use:	NORMAL
4.1.4. Structure (diagonal, bias belted, radial):	DIAGONAL
4.1.5. The speed category:	S
4.1.6. The load-capacity index of the tyre:	66
4.1.7. Tube type or Tubeless:	TUBELESS/TUBE TYPE
4.1.8. Normal or Reinforced:	NORMAL
4.1.9. Ply rating number of tyres for motorcycle derivatives:	TREAD: 3 POLYESTER SIDEWALL: 2 POLYESTER
4.1.10. The overall dimensions overall section width: overall diameter:	Overall section width:150.28 mm Overall diameter:560.2 mm
4.1.11. The rims on which the tyre can be mounted:	3.50x14, 3.75x14, 4.00x14, 4.25x14, 4.50x14
4.1.12. The measuring rim and test rim:	4.00x14
4.1.13. The test and measurement pressure	Test pressure: 300 kPa Measuring pressure:225 kPa
4.1.14. Factor x	0.7
4.1.15. Max allowed speed for load-capacity defined in 4.1.6.	180 km/h

**Manufacturer's name and address:**

**Tyre Manufacturer (1)**

Yokohama TWS Slovenija d.o.o.  
Škofjeloška cesta 6,  
4000 Kranj, Slovenia

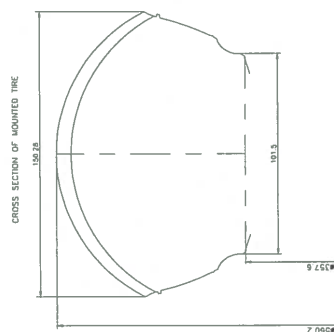
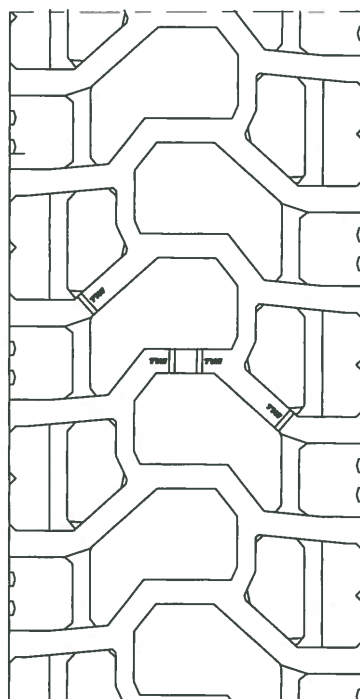
**Tyre Manufacturer (2)**

Reise Mitas Tires LLP  
Plot No. 521, Sayakha Industrial Estate,  
Near Village Juned, Taluka Vagra,  
Dist. Bharuch, Gujarat, Pin-392140, India

**Tyre Manufacturer (3)**

Yokohama TWS Czech Republic a.s.  
Vavrečkova 7248  
760 02 Zlin, Czech Republic





Tyre Approval Department  
Štambereská 446, Louky  
763 02 Zlín, Czech Republic

IČ/D: 46900080 DIČ/VAT: CZ46900080

[illegible]



Tyre Approval Department  
Šternberská 446, Louky  
763 02 Zlín, Czech Republic  
IČ/ID: 46990080 DIČ/VAT: CZ46900080

[illegible]



RMTL	REISE MITAS Tires LLP	Format No.	RMTL/QR/7.8/01
	(Testing Laboratory)	Issue No.	01
	Plot No. 521. Saykha Industrial Estate , Near Village Juned, Taluka Vagra Dist. Bharuch Gujarat (I) -392140	Issue Date	05-01-2023
DOCUMENT NO		Amend. No.	01
RMTL /QR/01/2023		Amend. Date	10.07.2024

## TEST REPORT

### GENERAL DETAILS

Test Report No.	RMTL/RN/2025/RM25-351
Group:	Rubber & Rubber Product
Discipline :	Mechanical
Date of Issue	24-05-2025
Name of customer	Monika Macháčová
Address of customer	Research, Development & Quality Director, Mitas Motorcycle Tires, Kranj, Slovenija
Contact details of customer Email ID	<a href="mailto:Monika.Machacova@mitas-tires.com">Monika.Machacova@mitas-tires.com</a>
Customer Letter Ref No. / Email with date	MM25029
Date of Receipt of sample	21-03-2025
Other information like witness/ Third party /customer identification	70001455 V1_A
Date of test performed on	21-03-2025 to 23-05-2025
sample Description	TWO WHEELER TYRE
Sample Description	150/70-14 M/C 66S MITAS ENDURO TRAIL ADV2 TL/TT
Condition of sample	LOOSE
Quality of sample received	GOOD
No of tyre received	6
Test sample manufactured by	REISE MITAS Tires LLP
Location of the manufacturing plant	521, Saykha Industrial Estate, Near Village Juned, Taluka Vagra, Dist-Bharuch. Gujarat. Pin -392140 INDIA

*VPD*  
*24/5/25*  
**PRAKASH D RAO V**  
**TECHNICAL MANAGER**

Reviewed By

*Qidya*  
*24/05/25*  
**VIDYADHARA MULIBAIL**  
**QUALITY MANAGER**

Authorized Signatory

MECHANICAL LABORATORY

### Disclaimer:

1. Samples drawn and submitted by customer
2. The results reported only pertain to the sample submitted by the customer
3. This report shall not be reproduced except in full , without written approval of the laboratory
4. Samples tested as per standards mentions by the laboratory
5. Statement of Conformisity is as per applicable test methods used

1 OF 5

**IGTT a.s.**  
Tyre Approval Department  
Šternberská 446, Louky  
763 09 Zlín, Czech Republic  
IČ/D: 46900080 DIČ/VAT: CZ46900080

RM TL	REISE MITAS Tires LLP		Format No.	RMTL/QR/7.8/01
	(Testing Laboratory )		Issue No.	01
	Plot No. 521. Saykha Industrial Estate , Near Village Juned, Taluka Vagra Dist. Bharuch Gujarat (I) -392140		Issue Date	05-01-2023
Amend. No.			01	
DOCUMENT NO			Amend. Date	10.07.2024
RMTL /QR/01/2023				
Test Report No :		RMTL/RN/2025/RM25-351		
Date of Issue:		24-05-2025		
1	Details of tyres,Submitted/declared by the supplier			
Test standard	ECE R-75 (Cl.4)			
1.1	Tyre size designation		150/70-14 M/C	
1.2	Tyre Trade name and mark		Mitas ENDURO TRAIL ADV2	
1.3	The category of use (normal, special, snow or moped)		Normal	
1.4	Structure: diagonal (bias ply), bias belted or radial		Bias ply	
1.5	Speed category		S/180 kmph	
1.6	Load capacity Index of the tyre/Maximum load carrying capacity (kg)		66/300 kg	
1.7	Whether the tyre is to be used with or without an inner tube		TUBELESS/TUBETYPE	
1.8	Whether the tyre is "normal" or "reinforced"		Normal	
1.9	The ply-rating number of tyres for motor cycle derivatives		Not applicable	
1.10	Overall width (mm)		143-163	
1.11	Overall diameter (mm)		560 - 580	
1.12	Rim on which tyres can be mounted		MT3.50X14",MT4.00X14",MT4.50X14"	
1.13	Measuring rim and test rim,		MT4.00X14"	
1.14	a.Inflation pressure corresponding to maximum load carrying capacity (kPa)		260	
	b.Test and measurement pressure (kPa)		300,250 and 225	
1.15	The factor X referred to in paragraph 2.19		0.70	
1.16	For tyres identified by means of letter code "V" within the size designation and suitable for speeds over 240 km/h or for tyres identified by means of letter code "Z" within the size designation and suitable for speeds over 270 km/h, the maximum speed permitted by the tyre manufacturer and the load carrying capacity allowed for that maximum speed.		NA	

*VRao*  
*24/5/25*



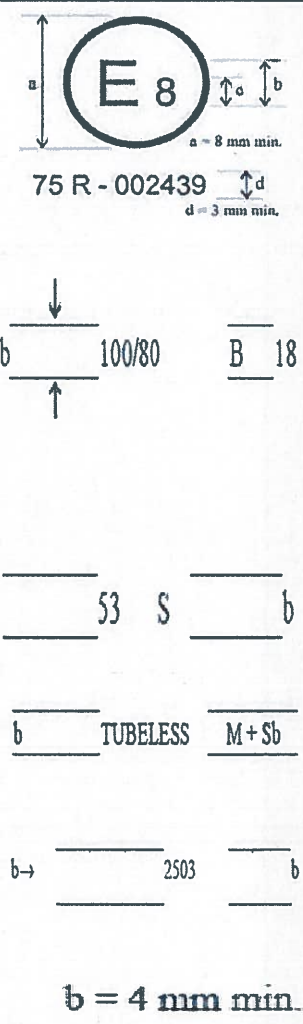
**PRAKASH D RAO V**  
TECHNICAL MANAGER

*Qidya m.*  
*24/05/25*

**VIDYADHARA MULIBAIL**  
QUALITY MANAGER

Reviewed By
2 OF 5
Authorized Signatory



RMTL	REISE MITAS Tires LLP					 
	(Testing Laboratory)					
	Plot No. 521. Saykha Industrial Estate, Near Village Juned, Taluka Vagra Dist. Bharuch Gujarat (I) -392140					
DOCUMENT NO	TEST REPORT					
RMTL /QR/01/2023						
ULR No. :	TC140932500000028F					
Test Report No :	RMTL/RN/2025/RM25-351					
Date of Issue:	24-05-2025					
2	Marking					
Test standard	ECE R-75 (Cl. No-3)					
Sample ID :	RM25-351-02					
S.No	Specific tests performed	Unit of measurement	Min Req.	Observed value	Remark	 <p>75 R - 002439</p> <p>100/80 B 18</p> <p>53 S b</p> <p>TUBELESS M+Sb</p> <p>2503 b</p> <p>b = 4 mm min.</p>
2.1	Diameter of circle	mm	8	12	-	
2.2	Height of letter E	mm	4	7	-	
2.3	Height of number	mm	3	5	-	
2.4	Height of text 75R....	mm	3	4	-	
2.5	Size designation	mm	4	9	-	
2.6	Structure (diagonal/bias belted/radial)	Visual	Shall be marked	"_"	-	
2.7	Trade name	Visual	Shall be marked	Mitas ENDURO TRAIL ADV2	-	
2.8	Speed category	mm	4	7	-	
2.9	Load capacity	mm	4	7	-	
2.10	Ply rating	Visual	Shall be marked	-	-	
2.11	Tubeless/Tubetype	mm	4	5	-	
2.12	REINFORCED or REINF	Visual	Shall be marked	-	-	
2.13	M+S or M.S or MaS	Visual	Shall be marked	Available	-	
2.14	MST	Visual	Shall be marked	Available	-	
2.15	Date of production (wwyy)	mm	4	5	-	
2.16	M/C	mm	4	7	-	
2.17	MOPED or CYCLOMOTEUR	Visual	Shall be marked	-	-	
2.18	(W) for SS>270km/h	Visual	Shall be marked	-	-	
2.19	Running rotation	Visual	Shall be marked	Available	-	
2.20	Visible defects or damages	Visual	Shall be marked	No	-	
2.21	QC check mark	Visual	Shall be marked	Not Available	-	
2.22	Manuf.name or country	Visual	Shall be marked	MADE IN INDIA	-	
2.23	TW1 markings	Nos.	Shall be marked	Available(6 nos)	-	
2.24	DP	Visual	Shall be marked	-	-	
2.25	NHS	Visual	Shall be marked	-	-	

*VPRD*  
24/5/25

**PRAKASH D RAO V**  
TECHNICAL MANAGER

Reviewed By

3 OF 5

*Qidya*  
24/05/25

**VIDYADHARA MULIBAIL**  
QUALITY MANAGER

Authorized Signatory

<b>RM TL</b>	<b>REISE MITAS Tires LLP</b>				 	
	(Testing Laboratory)					
	Plot No. 521. Saykha Industrial Estate , Near Village Juned, Taluka Vagra Dist. Bharuch Gujarat (I) -392140					
DOCUMENT NO	<b>TEST REPORT</b>					
RM TL /QR/01/2023						
ULR No. :	TC140932500000028F					
Test Report No :	RM TL/RN/2025/RM25-351					
Date of Issue:	24-05-2025					
3	Tyre Dimensions					
Sample ID :	RM25-351-02					
Test standard	ECE R-75 (CI No-6)					
S.No	Specific tests performed	Unit of measurement	Standard Specification requirement	Observed Values	Remark	
3.1	Rim Size	Inch	MT4.00X14"	MT4.00X14"	-	
3.2	Infaltion pressure	kPa	225	225	-	
3.3	Conditioning temperature	Degree	20-30	26.4	-	
3.4	Conditioning Duration	hr	24	24	-	
3.5	Maximum overall width of tyre	mm	143-163	150.28	-	
3.6	Overall diameter	mm	560 - 580	560.2	-	
U.pressure:-±0.38%,U.OD:-±0.31%,U.Width:-±0.13% U: Expanded uncertainty = multiplying the combined standard uncertainty by a coverage factor k=2,what for normal distribution have a level of confidence of 95%						
4	Load / speed performance test					
Test standard	ECE R-75(CI. No-6.2)					
Sample ID :	RM25-351-02					
4.1	<b>Test condition:</b> Smooth wheel diameter(m) : 1.7 Condition duration(hr) : Min 3 Condition temperature (°C): 20-30 Test room temperature(°C) : 20-30 Test Inflation pressure(kPa) :300 Test load (kg) : 195 Test Rim : MT4.00X14"					
	Step	Speed (km/hr)	Durations (minutes)	Room temp. (°C)		
	1	0-140	0-20	27	After undergoing the test , a tyre shall not exhibit any tread, ply cord separation , chunking or broken cord  No tread separation, ply cord separation , chunking or broken cords observed	
	2	140	10	27		
	3	150	10	27		
	4	160	10	28		
	5	170	10	28		
4.2	Initial Diameter	mm	560 - 580		560.9	-
	Final Diameter when measured at least six hours after test		560 - 580		570.4	-
	% Change in outer diameter of tyre,Measured after 6 hours		%	Max ±3.5	1.7	-
4.3	Initial overall width	mm	143-163		150.2	-
	Overall width at the end of test		143-163		150.5	-
U.pressure:-±0.38%,U.OD:-±0.31%,U.Width:-±0.13% U: Expanded uncertainty = multiplying the combined standard uncertainty by a coverage factor k=2,what for normal distribution have a level of confidence of 95%						
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p style="text-align: center;">             24/5/25  <b>PRAKASH D RAO V</b>            TECHNICAL MANAGER         </p> </div> <div style="width: 45%; text-align: right;"> <p style="text-align: center;">             24/05/25  <b>VIDYADHARA MULIBAIL</b>            QUALITY MANAGER         </p> </div> </div>						
Reviewed By		4 OF 5		Authorized Signatory		



<b>RMTL</b>	<b>REISE MITAS Tires LLP</b>				 
	(Testing Laboratory)				
	Plot No. 521. Saykha Industrial Estate, Near Village Juned, Taluka Vagra Dist. Bharuch Gujarat (I) -392140				
DOCUMENT NO RMTL /QR/01/2023		<b>TEST REPORT</b>			
ULR No. :		TC1409325000000028F			
Test Report No :		RMTL/RN/2025/RM25-351			
Date of Issue:		24-05-2025			
5		Dynamic Growth of the tyre:			
Test standard		ECE R-75 (CI No:-6.3)			
Sample ID :		RM25-351-02			
S.No	Specific tests performed	Unit of measurement	Standard Specification requirement	Observed Values	Remark
5.1	<u>Test condition:</u>				
	Test inflation pressure : 250 kPa				
	Speed category symbol - S				
	Maximum Speed - 180 kmph				
	Rim Diameter(D) -14 inch				
	<u>Calculation of Overall width :-</u>				
	S = S1 + K(A-A1)				
	Nominal Section Width(S1)-150 mm      Width of measuring Rim(A) -4.00 inch =4.00*25.4 mm = 101.6mm				
	Factor X = 0.70      K=0.4				
	A1=S1*Factor X=150*0.70=105 mm				
	S=150+0.4 ( 101.6 - 105 ) =148.64 mm				
	<u>Tyre section-width specifications-</u>				
	1.For normal and snow service:				
	(a) rim diameter code 13 and above: +10 per cent				
	(b) rim diameter codes up to 12 inclusive: +8 per cent				
2.For special service tyres which are suitable for limited road use and are marked MST: 25 per cent.					
Smin=S - ( S * 4% ) = 148.64 - ( 148.64*0.04 ) = 142.69 (Nearest to 143 mm)					
Smax=S + ( S * 10% ) = 148.64 + ( 148.64*0.1 ) =163.5 (Nearest to 163 mm)					
Overall width Specification - 143 to 163 mm					
<u>Calculation of centrifugal Radius :-</u>					
Nominal sectional height (H) =Nominal sectional width*Aspect ratio =>150*70% => 105 mm					
Hdyn = H*1.10 =>105*1.10 => 115.5 mm					
Centrifugal radius = Hdyn + D /2 =>115.5 + (14*25.4) / 2 => 293.3 mm					
	Step	Speed (km/hr)	Durations (min)	Maximum Centrifugal radius	Centrifugal radius at Test Speed
	1	0-180	5	293.3	291.9
	2	180	5		
5.2	Maximum overall width (SG) at test speed	mm	143-163	140.8	-
U.speed:- ±0.32%, U.pressure:-±0.38%,U.OD:-±0.31%,U.Width:-±0.13% U: Expanded uncertainty = multiplying the combined standard uncertainty by a coverage factor k=2, what for normal distribution have a level of confidence of 95%					
Conclusion		The above subject,size:-150/70-14 66S MITAS ENDURO TRAIL ADV2 TL/TT tests carried out as per ECE R75.			
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p style="text-align: center;">VPD 24/5/25</p> <p><b>PRAKASH D RAO V</b> TECHNICAL MANAGE</p> </div> <div style="width: 45%; text-align: right;"> <p style="text-align: center;">Qidya 001 24/05/25</p> <p><b>VIDYADHARA MULIBAIL</b> QUALITY MANAGER</p> </div> </div>					
Reviewed By		5 OF 5		Authorized Signatory	