



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 27th November 2023

E8*75R00/19*1593*00

Trelleborg Wheel Systems Moto 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:

130/80B17 MITAS ENDURO TRAIL XT+ ALL TERRAIN 65S

with the approval number : **E8 75R - 001593**
date of inspection : **27th November 2023**

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 – 001593

4.1.1. Tyre size designation:	130/80B17
4.1.2. Manufacturers name, tyre name:	MITAS, ENDURO TRAIL XT+ all terrain
4.1.3. The category of use:	SNOW
4.1.4. Structure (diagonal, bias belted, radial):	BIAS BELTED
4.1.5. The speed category:	S
4.1.6. The load-capacity index of the tyre:	65
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: 2 POLYESTER + 2 ARAMID SIDEWALL: 2 POLYESTER
4.1.10. The overall dimensions overall section width: overall diameter:	Overall section width: 133.9 mm Overall diameter: 645.0 mm
4.1.11. The rims on which the tyre can be mounted:	2.50x17, 2.75x17, 3.00x17, 3.50x17
4.1.12. The measuring rim and test rim:	3.00x17
4.1.13. The test and measurement pressure	Test pressure: 300 kPa Measuring pressure: 225 kPa
4.1.14. Factor x	/
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)

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

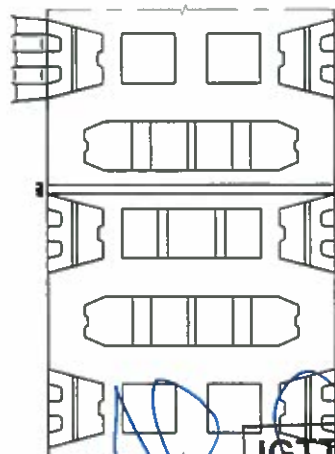
Tyre Manufacturer (2)

Trelleborg Wheel Systems Czech Republic a.s.
Výrobní úsek Zlín, Šedesátá č.p. 5638
762 02 Zlín, CZECH REPUBLIC

Tyre Manufacturer (3)

Trelleborg Wheel Systems Moto d.o.o.
Škofjeloška cesta 6,
4000 Kranj, Slovenia





On the basis of these results, we have developed a new method for the determination of the α -amino acid content of feed samples. It is based on the formation of a stable, fluorescent Schiff base between the amino acid and formaldehyde. The method is simple, rapid, and sensitive. It can be used for the determination of the α -amino acid content of feed samples. The results of the present study show that the method is suitable for the determination of the α -amino acid content of feed samples. The method is simple, rapid, and sensitive. It can be used for the determination of the α -amino acid content of feed samples. The results of the present study show that the method is suitable for the determination of the α -amino acid content of feed samples.

IGT a.s.
Type Approval Department
Šternberská 446, Louky
763 02 Zlín, Czech Republic
ICAO: 46900080 DIČ/VAT: CZ46900080

IGTT

[illegible]



TEST REPORT No. 2023 - 5673

TTC Zlin, Šternberská 446, Louky, 763 02 Zlin

Testing Laboratory No. 1253, accredited by Czech Accreditation Institute according to ČSN EN ISO/IEC 17025:2018

1. Customer: Yokohama TWS Czech Republic a.s. Requirement No.: MM/23421
 Švehlova 1900/3 Dept.: Moto Kran Task:
 106 25 Praha 10 Project No.: 70001257
 Česká republika Application date: 31.10.2023
 Responsible: ing. Macháčová Report issue date: 07.11.2023
 Test motive: Prototype tyres VI (ECE homologation). Code: 70001257 (224121)

2. Tested sample: Tyre Sort: M Ident. No.: 57127
 Dimension 130/80B17 Name: Mitas Enduro Trail XT+
 Designation VI Product: Yokohama TWS I Approval E8 75R-001593
 LI: 65 SS: S IP: 290 kPa PR LR: B Type TL/TT M+S M
 Weight: 6.74 kg Measuring rim 3.00x17 DOT: 05J DOP: 3823

3. Test: Measurement of tyre dimensions
 Method: MZR-M-003 accredited

4. Test condition: Testing machine: - Drum: - mm Ambient temperature: 25±5°C
 Testing rim: 3.00x17 Inflation: 225 kPa
 Load: daN Drum speed: km/h Slip: 0° Camber: 0°
 Cycle min/max: Track min/max: km

5. Results: Overall diameter: 645 mm
 Overall width: 133.9 mm
 Undergo cycles: Undergo track: km

6. Evaluation: Criterion defined in ECE-R75
 Udiam = 1.5 mm; Uwidth = 1.0 mm

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%

7. Appendix: 1. Measurement of tyre dimensions

8. Warning: Test results are concerning this sample only. It is strongly prohibited to copy any part of this report without permission of the Testing Laboratory. The results apply to the sample as received. All tests are performed in lab permanent facility. The laboratory is responsible for all the information provided in the report, except the "designation" which is provided by customer.



Approved by: Laboratory quality manager Ing. Petr Husták, Ph.D.

Annex to protocol No.: 23- 5673 Measurement of tyre dimensions

Printed 07.11.2023

Sample No 57127 Tyre size: 130/80B17 Mitas Enduro Tra Method: MZR-M-003

Date of measurement	Tyre		Tyre width at six points on circumference						Overall tyre	
	inflation	cicumf.	1	2	3	4	5	6	width	diameter
	kPa	mm	mm	mm	mm	mm	mm	mm	mm	mm
04.11.2023	225	2 026	133,6	133,9	133,2	133,3	133,9	133,6	133,9	645

TEST REPORT No. 2023 - 5671

TTC Zlín, Šternberská 446, Louky, 763 02 Zlín

Testing Laboratory No.1253, accredited by Czech Accreditation Institute according ČSN EN ISO/IEC 17025:2018

1. Customer: Yokohama TWS Czech Republic a.s. Requirement No.: MM/23421
 Švehlova 1900/3 Dept.: Moto Kran Task:
 106 25 Praha 10 Project No.: 70001257
 Česká republika Application date: 31.10.2023
 Responsible: ing. Macháčová Report issue date: 06.11.2023
 Test motive: Prototype tyres V1 (ECE homologation). Code: 70001257 (224121)

2. Tested sample: Tyre Sort: M Ident. No.: 57127
 Dimension 130/80B17 Name: Mitas Enduro Trail XT+
 Designation V1 Product: Yokohama TWS I Approval E8 75R-001593
 LI: 65 SS: S IP: 290 kPa PR LR: B Type TL/TT M+S M
 Weight: 6.74 kg Measuring rim 3.00x17 DOT: 05J DOP: 3823

3. Test: Sidewall lettering inspection
 Method: KPB-M-003 accredited

4. Test condition: Testing machine: - Drum: - mm Ambient temperature: 25±5°C
 Testing rim: Inflation: kPa
 Load: daN Drum speed: km/h Slip: 0° Camber: 0°
 Cycle min/max: Track min/max: km

5. Results: See appendix of protocol 23-5671
 Undergo cycles: Undergo track: km

6. Evaluation: Criterion defined in ECE-R75 and other standards
 U = 0,5 mm

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%

7. Appendix: 1. Tyre lettering inspection

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Approved by: Laboratory quality manager Ing. Petr Hušák, Ph.D.

Sample No.: 57127 Size: 130/80B17 Mitas Enduro Trail XT+ Method: KPB-M-003

Date: 03.11.2023

Dimension of approval mark:

diameter of circle: 11 mm

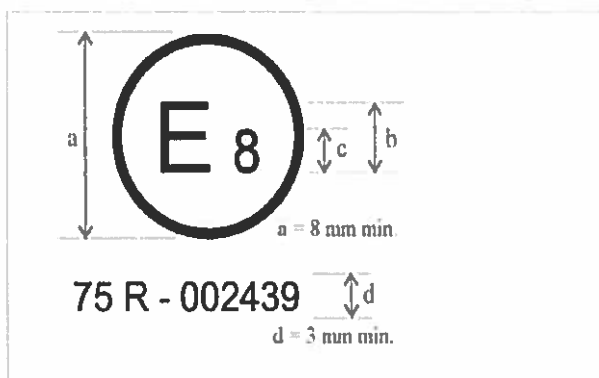
height of letter E: 6 mm

height of number: 4 mm

height of text 75R....: 4 mm

Sidewall lettering:

b >= 4 mm (min): 3 mm



b TUBELESS M + S

Measured where (text): Tubeless

Size designation (text): Yes

Structure (diagonal/bias belted/radial): B

Trade name (mark): Yes

Speed category (mark): Yes

Load capacity (mark): Yes

Ply rating (mark): No

TUBELESS (text): Yes

REINFORCED or REINF (text): No

M+S or M.S or MaS (mark): Yes

MST (mark): Yes

Date of production (wwyy): Yes

M/C (mark): Yes

MOPED or CYCLOMOTEUR (text): -

(W) for SS>270km/h: No

Running rotation (mark): Yes

Visible defects or damages: No

QC check mark (stamp): No

Manuf.name or country of or Yes

TWI markings: Yes

DP (mark): No

NHS (mark): No

TEST REPORT No. 2023 - 5676

TTC Zlín, Šternberská 446, Louky, 763 02 Zlín

Testing Laboratory No.1253, accredited by Czech Accreditation Institute according ČSN EN ISO/IEC 17025:2018

1. Customer: Yokohama TWS Czech Republic a.s. Requirement No.: MM/23421
 Švehlova 1900/3 Dept.: Moto Kran Task:
 106 25 Praha 10 Project No.: 70001257
 Česká republika Application date: 31.10.2023
 Responsible: ing. Macháčová Report issue date: 07.11.2023
 Test motive: Prototype tyres V1 (ECE homologation). Code: 70001257 (224121)

2. Tested sample: Tyre Sort: M Ident. No.: 57128
 Dimension 130/80B17 Name: Mitas Enduro Trail XT+
 Designation V1 Product: Yokohama TWS I Approval E8 75R-001593
 LI: 65 SS: S IP: 290 kPa PR LR: B Type TL/TT M+S M
 Weight: 6.84 kg Measuring rim 3.00x17 DOT: 05J DOP: 3823

3. Test: Speed test
 Method: RZ-M-003 accredited

4. Test condition: Testing machine: H2L Drum: 2000 mm Ambient temperature: 38±3°C
 Testing rim: 3.00x17 Inflation: 300 kPa capped
 Load: 185 daN Drum speed: km/h Slip: 0° Camber: 0°
 Cycle min/max: Track min/max: km

5. Results: Without failure.
 Difference of tyre circumference at start and at end of test: 0,1 %
 Undergo cycles: 67 730 Undergo track: 135 km

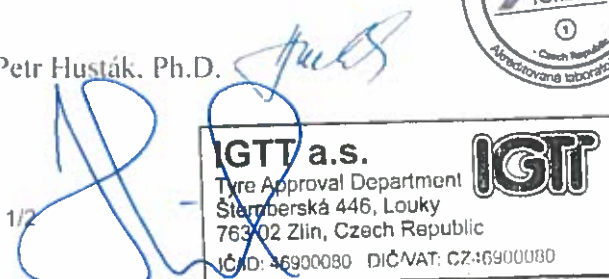
6. Evaluation: Criterion no defects and circumf.difference before and 6h after test max. ±3,5%
 Uinfl = 3 kPa; Utime +1 s; Uspeed = 2 km/h;
 Uload = 5% (40 - 500 daN), 1% (501 - 30000 daN)
 U: Expanded uncertainty = multiplying the combined standard uncertainty by a coverage factor k=2, what for normal distribution have a level of confidence of 95%

7. Appendix: 1. Drum tyre test record

8. Warning: Test results are concerning this sample only. It is strongly prohibited to copy any part of this report without permission of the Testing Laboratory. The results apply to the sample as received. All tests are performed in lab permanent facility. The laboratory is responsible for all the information provided in the report, except the "designation" which is provided by customer.



Approved by: Laboratory quality manager Ing. Petr Hušák, Ph.D.



IGT a.s.
 Tyre Approval Department
 Šternberská 446, Louky
 763 02 Zlín, Czech Republic
 IČO: 46900080 DIČ/VAT: CZ:46900080

Sample No.: 57128		Dimension:		130/80B17		Mitas Enduro Trail		Test:		RZ-M-003			
ID No.	Test stage	Date time dd mm.mrr hh mm ss	Step duration hhh mm:ss	Test duration hhh mm:ss	Speed km/h	Load daN	Inflation kPa	Radius mm	Surface °C	Room °C	Distance km	Cycles	Diameter/ deflection mm
1	Start	04.11.2023 7 50 59	000 00 00	000 00:00			300			35,3			646
2	Cont	04.11.2023 8 11 06	000 20 00	000 20:00	75,0	186		314		35,6	25	12 595	9
3	Cont	04.11.2023 8 21 08	000 10 00	000 30:00	150,0	186		316		36,0	50	25 201	7
4	Cont	04.11.2023 8 31 10	000 10 00	000 40:00	160,1	186		316		36,2	77	38 580	7
5	Cont	04.11.2023 8 41 12	000 10 00	000 50:00	170,0	186		317		36,5	105	52 752	6
6	Cont	04.11.2023 8 51 14	000 10 00	001 00:00	180,1	186		317		36,7	135	67 730	6
7	Int M	04.11.2023 8 57 30	000 06 16	001 00:00						36,4			
8	Int O	04.11.2023 15 06 08	006 08 38	001 00:00			293			36,4			646
9	End	04.11.2023 15 06 24	000 00 17	001 00:00						36,4			

Tyre width immediately after end of test(mm): 137,1 - 136,7 - 136,7 - 137,2 - 137,5 - 136,9

Change of tyre circumference before test and 6h after test (%): 0,10



TEST REPORT No. 2023 - 5677

TTC Zlín, Šternberská 446, Louky, 763 02 Zlín

Testing Laboratory No.1253, accredited by Czech Accreditation Institute according ČSN EN ISO/IEC 17025:2018

1. Customer: Yokohama TWS Czech Republic a.s. Requirement No.: MM/23421
 Švehlova 1900/3 Dept.: Moto Kran Task:
 106 25 Praha 10 Project No.: 70001257
 Česká republika Application date: 31.10.2023
 Responsible: ing. Macháčová Report issue date: 07.11.2023
 Test motive: Prototype tyres V1 (ECE homologation). Code: 70001257 (224121)

2. Tested sample: Tyre Sort: M Ident. No.: 57128
 Dimension 130/80B17 Name: Mitas Enduro Trail XT+
 Designation V1 Product: Yokohama TWS I Approval E8 75R-001593
 LI: 65 SS: S IP: 290 kPa PR LR: B Type TL/TT M+S M
 Weight: 6,84 kg Measuring rim 3.00x17 DOT: 05J DOP: 3823

3. Test: Dynamic growth test
 Method: MDN-M-003 accredited

4. Test condition: Testing machine: DN Drum: - mm Ambient temperature: 25±5°C
 Testing rim: 3,00x17 Inflation: 250 kPa capped
 Load: daN Drum speed: 180 km/h Slip: 0° Camber: 0°
 Cycle min/max: Track min/max: km

5. Results: Max. centrifugal radius of tyre at max. speed: 324,6 mm
 Overall width of tyre at max. speed: 129,5 mm
 Undergo cycles: Undergo track: km

6. Evaluation: Criterion profil doesn't exceed limit curve
 Uinfl = 3 kPa; Utime +1 s; Uspeed = 2 km/h; Udist = 0,7 mm

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%

7. Appendix: 1. Tyre profile record : S1-Test limit. S2-10 km/h. S3-180 km/h

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Approved by: Laboratory quality manager Ing. Petr Hušák, Ph.D.



