

**REPORT N° CV20080375**

TEST ACCORDING TO REGULATION (EC) No. 1222/2009 RELATED TO ROLLING RESISTANCE

Applicant : MANUFACTURE FRANÇAISE DES  
PNEUMATIQUES MICHELIN S.C.A.  
23, Place des Carmes Déchaux, 63040, Clermont Ferrand  
Cedex 9, France

Manufacturer : MICHELIN

Tyre class : C1

Category of use : Snow (for use in severe snow conditions)

Traction tyre : N/A

Brand name / Trade mark : MICHELIN

Trade description/ Commercial name : CROSSCLIMATE 2

Tyre size : 205/55R16 94V XL

Place and date of issue : L'Albornar, Santa Oliva (Tarragona), 31/08/2020

CONCLUSIONS: According to Regulation (EC) No 1222/2009, the sample described above has been tested following the test procedure as per UN REGULATION No. 117R02/10  
The characteristics of the tested sample are detailed in the annex to the test report.

**Aligned rolling resistance coefficient RRC [N/kN] = 7.11**

Performed by:

Alejandro Clara Requena  
HOMOLOGATION ENGINEER

Revised by:

Ignacio Lafuente Buil  
DEPARTMENT MANAGER

\* THE TESTS HAVE BEEN CARRIED OUT BY IDIADA AUTOMOTIVE TECHNOLOGY, S.A. LABORATORY ACCREDITED BY ENAC WITH NUMBER OF ACCREDITATION 35/LE159.  
\* THE PRESENTED RESULTS REFER ONLY TO THE TESTED SAMPLE.  
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\* MEASUREMENT UNCERTAINTY OF THE RESULTS HAS BEEN CALCULATED BY THE LABORATORY.



**ANNEX TO THE TEST REPORT**  
**ROLLING RESISTANCE, REPORT No. CV20080375**

**1. TEST DATA**

**1.1. Test tyre details**

1.1.1	Applicant	: MANUFACTURE FRANÇAISE DES PNEUMATIQUES MICHELIN S.C.A. 23, Place des Carmes Déchaux, 63040, Clermont Ferrand Cedex 9, France
1.1.2	Manufacturer	: MICHELIN
1.1.3	Tyre class	: C1
1.1.4	Category of use	: Snow (for use in severe snow conditions)
1.1.5	Traction tyre	: N/A
1.1.6	Brand name / Trade mark	: MICHELIN
1.1.7	Trade description / Commercial name	: CROSSCLIMATE 2
1.1.8	Tyre size	: 205/55R16 94V XL
1.1.9	Load index / Corresponding mass $Q_r$ [kg]	: 94 / 670
1.1.10	Tyre structure	: Radial
1.1.11	Date code, other manufacturer markings	: 2420
1.1.12	Inflation pressure [kPa]	: 250
1.1.13	Test tyre internal reference	: HVI-2008/01854
1.1.14	Test rim	: 6.5 x 16
1.1.15	Test rim internal reference	: HVI-1403/342
1.1.16	Test rim material	: Steel

Validate this report with the security code « 5PCZR3H » at: <https://extranet.idiada.com/hom-cve>

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**1.2. Test machine data**

- 1.2.1 Identification : AMB-500RRH
- 1.2.2 Drum diameter [mm] : 1,700
- 1.2.3 Surface : Smooth steel
- 1.2.4 Roughness [ $\mu\text{m}$ ] :  $\leq 6.3$

**1.3. Test data**

- 1.3.1 Measurement method : Torque
- 1.3.2 Test speed [km/h] : 80
- 1.3.3 Test load [N] : 5,263.4
- 1.3.4 Test inflation pressure, initial [kPa] : 250
- 1.3.5 Distance ( $r_L$ ) : N.A.
- 1.3.6 Ambient temperature [ $^{\circ}\text{C}$ ] : 25.07
- 1.3.7 Skim test load [N] : 196.2
- 1.3.8 Input torque ( $T_t$ ) [Nm] : 57.88
- 1.3.9 Input skim test torque ( $T_{pl}$ ) [Nm] : 25.20

**2. TEST RESULTS**

- 2.1. Rolling resistance coefficient
  - 2.1.1 Initial value (or average in the case of more than 1) [N/kN] : 7.30
  - 2.1.2 Temperature corrected value [N/kN] : 7.31
  - 2.1.3 Temperature and drum diameter corrected value [N/kN] : 7.16
  - 2.1.4 Aligned value [N/kN] : 7.11

**Aligned rolling resistance coefficient  $C_r$  [N/kN] = 7.11**

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### 3. TEST TYRE PICTURES



Picture 1. Sidewall



Picture 2. Tread pattern

Place of test: L'Albornar (Santa Oliva)

Date of test: 27/08/2020

Alejandro Clara Requena  
HOMOLOGATION ENGINEER

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