

Annex to the accreditation certificate: N° 1/035 According to standard ISO/IEC 17025:2017 For a testing laboratory

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Accredited organisation:

Goodyear SA – Goodyear Innovation Center Luxembourg
Avenue Gordon Smith
L-7750 Colmar/Berg

Principal site:

Goodyear Innovation Center Luxembourg
Avenue Gordon Smith
L-7750 Colmar/Berg

Site Mireval:

GIE Goodyear Mireval
RD 612, Route de Plaines
F-34110 Mireval

Site Hanau:

Goodyear Innovation Center*Germany
Dunlopstrasse 2
D-63450 Hanau

Site Montluçon:

Dunlop Development Center*Montluçon
ZI de Pasquis
F-03100 Montluçon

Site Arctic Center:

Saariselkä
FI-99830 Finland

Contact person:

Wassef Zaghloul
Phone: +352 81 99 45 99
Email: wassefzag@goodyear.com

Document approved by:

Dominique Ferrand
Head of OLAS department

Site: Luxembourg

Objects submitted for testing	Characteristics or properties measured	Measurement principle and equipment	Test methods
(e.g. products, materials, samples, matrices, equipment)		(e.g. manual or automatic measurement)	(e.g. published, adapted, checked internally)
General domain: LAB13 – Properties of materials			
Technical domain: LAB13.7 – Dimension, durability, noise, resistance, grip of tires			
- Passenger tires	<ul style="list-style-type: none"> - Stud type approval for Nordic countries - Stud weight - Stud count - Stud protrusion - Stud force - Over-run 	<ul style="list-style-type: none"> - Weighing scale - Height measurement gauge - Load cell 	<ul style="list-style-type: none"> - Road Wear Test of Studded Tyres SFS 7503:2018 - Technical requirements for and type-approval of studded tyres for vehicles TRAFICOM/220809/03.04.03.00/2019
- Agricultural tires	- Measurement of Agricultural tire dimensions (Overall Section Width, Tire Outer Diameter)	<ul style="list-style-type: none"> - Digital linear gage - Measuring tape 	- Regulation ECE R106
- Agricultural tires	- Assessment of the Agricultural tire resistance to bursting	- Pressure Gauge	- Regulation ECE R106
<ul style="list-style-type: none"> - Passenger tires - Light truck tires - Truck tires 	- Energy conservation tire labelling	- TLGA (Tire Labelling Grade Assignment)	- Regulation (EU) 2020/740 of the European Parliament and of the Council of 25 May 2020 on the labelling of tyres with respect to fuel efficiency and other parameters, amending Regulation (EU) 2017/1369 and repealing Regulation (EC) No 1222/2009 – Annex I
- Passenger Tires	<ul style="list-style-type: none"> - Measurement of overall tire section width, tire outer diameter - Realization of the load / speed performance test - Thread Wear indication 	<ul style="list-style-type: none"> - Resiliometer - Load-Cell - Digital linear gage - Measuring Tape - Depth gage 	<ul style="list-style-type: none"> - Extended Mobility Tire Regulation - ISO 16992:2018
- Re-treaded Truck tires	<ul style="list-style-type: none"> - Measurement of overall tire section width, tire outer diameter - Realization of the load / speed performance test 	<ul style="list-style-type: none"> - Resiliometer - Load-Cell - Digital linear gage - Measuring Tape 	- Regulation ECE R109
<ul style="list-style-type: none"> - Light Truck tires - Truck tires 	<ul style="list-style-type: none"> - Measurement of overall tire section width, tire outer diameter - Tread wear indication - Realization of the load / speed performance test 	<ul style="list-style-type: none"> - Resiliometer - Load-cell - Digital linear gage - Measuring Tape 	- Regulation ECE R54
<ul style="list-style-type: none"> - Passenger tires - Truck tires 	- Measurement of Tire / Road Noise under "coast by" procedure	- Microphone and sound level meter	- Regulation ECE R117

Objects submitted for testing	Characteristics or properties measured	Measurement principle and equipment	Test methods
- Passenger tires - Light Truck tires	- Measurement of relative wet grip performance	- Trailer Method	- Regulation ECE R117
- Truck tires	- Measurement of relative wet grip performance	- Standard Vehicle	- Regulation ECE R117
- Passenger tires	- Measurement of the adhesion on wet surfaces of tires in worn state	- Trailer Method	- Regulation ECE R117
- Passenger - Truck Tires	- Tire rolling resistance	- Torque Method	- ISO 28580 - Regulation ECE R117
- Passenger tires	- Measurement of overall tire section width, tire outer diameter - Tread wear indication - Realization of the load / speed performance test - Procedure to access the "flat tire running mode"	- Resiliometer - Load-cell - Digital linear gage - Depth gage - Measuring Tape	- Regulation ECE R30

Site: Mireval

Objects submitted for testing	Characteristics or properties measured	Measurement principle and equipment	Test methods
General domain: LAB13 – Properties of materials			
Technical domain: LAB13.7 – Dimension, durability, noise, resistance, grip of tires			
- Passenger tires - Light Truck tires	- Measurement of relative wet grip performance	- Trailer Method	- Regulation ECE R117
- Truck tires	- Measurement of relative wet grip performance	- Vehicle Method	- Regulation ECE R117
- Passenger tires	- Measurement of the adhesion on wet surfaces of tires in worn state	- Trailer Method	- Regulation ECE R117
- Passenger tires - Truck tires	- Measurement of Tire / Road Noise under "coast by" procedure	- Microphone and Sound level meter	- Regulation ECE R117

Site: Montluçon

Objects submitted for testing	Characteristics or properties measured	Measurement principle and equipment	Test methods
General domain: LAB13 – Properties of materials			
Technical domain: LAB13.7 – Dimension, durability, noise, resistance, grip of tires			
<ul style="list-style-type: none"> - Motorcycles tires - Moped tires 	<ul style="list-style-type: none"> - Measurement of overall tire section width and tire outer diameter - Realization of the load/speed performance test - Dynamic growth of tires 	<ul style="list-style-type: none"> - Resiliometer - Load-Cell - Digital linear gage - Measuring tape 	<ul style="list-style-type: none"> - Regulation ECE R75

Site: Hanau

Objects submitted for testing	Characteristics or properties measured	Measurement principle and equipment	Test methods
General domain: LAB13 – Properties of materials			
Technical domain: LAB13.7 – Dimension, durability, noise, resistance, grip of tires			
<ul style="list-style-type: none"> - Light truck tires 	<ul style="list-style-type: none"> - Measurement of overall tire section width, tire outer diameter - Thread Wear indication - Realization of the load/speed performance test 	<ul style="list-style-type: none"> - Resiliometer - Load-Cell - Digital linear gage - Measuring Tape 	<ul style="list-style-type: none"> - Regulation ECE R54
<ul style="list-style-type: none"> - Passenger tires 	<ul style="list-style-type: none"> - Measurement of overall tire section width, tire outer diameter - Tread wear indication - Realization of the load / speed performance test - Procedure to access the "flat tire running mode" 	<ul style="list-style-type: none"> - Resiliometer - Load-Cell - Digital linear gage - Measuring Tape - Depth Gauge 	<ul style="list-style-type: none"> - Regulation ECE R30

Site: Arctic Center

Objects submitted for testing	Characteristics or properties measured	Measurement principle and equipment	Test methods
General domain: LAB13 – Properties of materials			
Technical domain: LAB13.7 – Dimension, durability, noise, resistance, grip of tires			
- Passenger tires - Light Truck tires - Truck tires	- Tire/Road Snow Grip index (S.G.I.)	- Braking on snow method - Spin Traction Method - Acceleration Vehicle method	- Regulation ECE R117
- Retreated Truck Tires	- Tire/Road Snow Grip index (S.G.I.)	- Acceleration Vehicle method	- Regulation ECE R109
- Passenger tires - Passenger studded tires	- Tire Ice Grip Index (I.G.I.) -	- Braking on Ice Method	- ISO 19447 - Regulation ECE R117 - Regulation ECE R164
- Passenger studded tires - Light Truck studded tires - Truck studded tires	- Tire/Road Snow Grip index (S.G.I.)	- Braking on snow method - Spin Traction Method - Acceleration Vehicle method	- Regulation ECE R164

External locations

Objects submitted for testing	Characteristics or properties measured	Measurement principle and equipment	Test methods
General domain: LAB13 – Properties of materials			
Technical domain: LAB13.7 – Dimension, durability, noise, resistance, grip of tires			
- Passenger tires - Passenger studded tires	- Tire Ice Grip Index (I.G.I.)	- Braking on Ice Method - (Enschede, Netherlands; “Test World”, Inari, Finland; “Arctic Falls”, Älvsbyn, Sweden)	- ISO 19447 - Regulation ECE R117 - Regulation ECE R164
- Passenger tires - Light Truck tires - Truck tires	- Tire/Road Snow Grip index (S.G.I.)	- Braking on snow method - Spin Traction Method - Acceleration Vehicle method - (“Test World”, Inari, Finland; “Arctic Falls”, Älvsbyn, Sweden)	- Regulation ECE R117
- Retreated Truck Tires	- Tire/Road Snow Grip index (S.G.I.)	- Acceleration Vehicle method - (“Test World”, Inari, Finland; “Arctic Falls”, Älvsbyn, Sweden)	- Regulation ECE R109
- Passenger studded tires - Light Truck studded tires - Truck studded tires	- Tire/Road Snow Grip index (S.G.I.)	- Braking on snow method - Spin Traction Method - Acceleration Vehicle method - (“Test World”, Inari, Finland; “Arctic Falls”, Älvsbyn, Sweden)	- Regulation ECE R164

Objects submitted for testing	Characteristics or properties measured	Measurement principle and equipment	Test methods
- Passenger tires - Light truck tires	- Measurement of relative wet grip performance	- Trailer Method - (Portimao, Portugal)	- Regulation ECE R117
- Truck tires	- Measurement of relative wet grip performance	- Vehicle Method (Portimao, Portugal)	- Regulation ECE R117
- Passenger tires	- Measurement of the adhesion on wet surfaces of tires in worn state	- Trailer Method - (Portimao, Portugal)	- Regulation ECE R117