



TÜV SÜD Tire Test Mark 2026

LASSA
WINTUS 3

235/65 R16C 121/119R

Test Period: November 2025 - March 2026

**Add value.
Inspire trust.**

Report No. 713388592

TÜV SÜD PS – TÜV TIRE TEST MARK 2026

TIRE DETAILS



CANDIDATE



**LASSA
WINTUS 3**

235/65 R16C 121/119R
DOT 1L5 A7KM9P 4325, 0226

COMPETITOR TIRES (in testing order)



**FALKEN
EUROWINTER VAN01**

235/65 R16C 121/119R
DOT 1R8A7 2525



**HANKOOK
WINTER I*CEPT LV**

235/65 R16C 121/119R
DOT 12XV8 1D 1H 4125, 4225



**NEXEN
WINGUARD WT1**

235/65 R16C 121/119R
DOT 18EA1 BACR 0325



**TOYO
OBSERVE VAN**

235/65 R16C 121/119S
DOT 1CXA7 244V 2225

- All Lassa Wintus 3 test samples were provided for the tests by the customer.
- All other test samples were purchased in the normal market by TÜV SÜD.
- TÜV SÜD randomly selected the tires for the individual tests.

TÜV SÜD PS – TÜV TIRE TEST MARK 2026

TEST DETAILS



TEST LOCATIONS



- Snow: Arctic Falls Plantskolan (S)
- Wet: TRIWO Pferdsfeld (D)
- Dry: ADAC Penzing (D)
- Rolling noise: IDIADA (E)
- Laboratory tests: TÜV SÜD Product Service Garching (D)

TEST VEHICLES



- Mercedes-Benz Sprinter 317CDI, Mercedes-Benz Sprinter 311CDI, Citroen Jumper L4H2

PROCEDURE & EVALUATION



- In most tests, the reference/control tire is tested repeatedly in the progress of the test to detect and consider changes of the ambient test parameters and correct its performance by linear interpolation.
- Generally, all tires in a test are primarily evaluated in relation to the reference/control tire.
- The performance is expressed as a percentage value, calculated on the basis of the measured and corrected test data.
- In this present evaluation, the performance of each tire is assessed relative to Lassa Wintus 3 ($\triangleq$ 100%).
- In all evaluations, a percentage >100% means better and <100% means worse.

TÜV SÜD PS – TÜV TIRE TEST MARK 2026

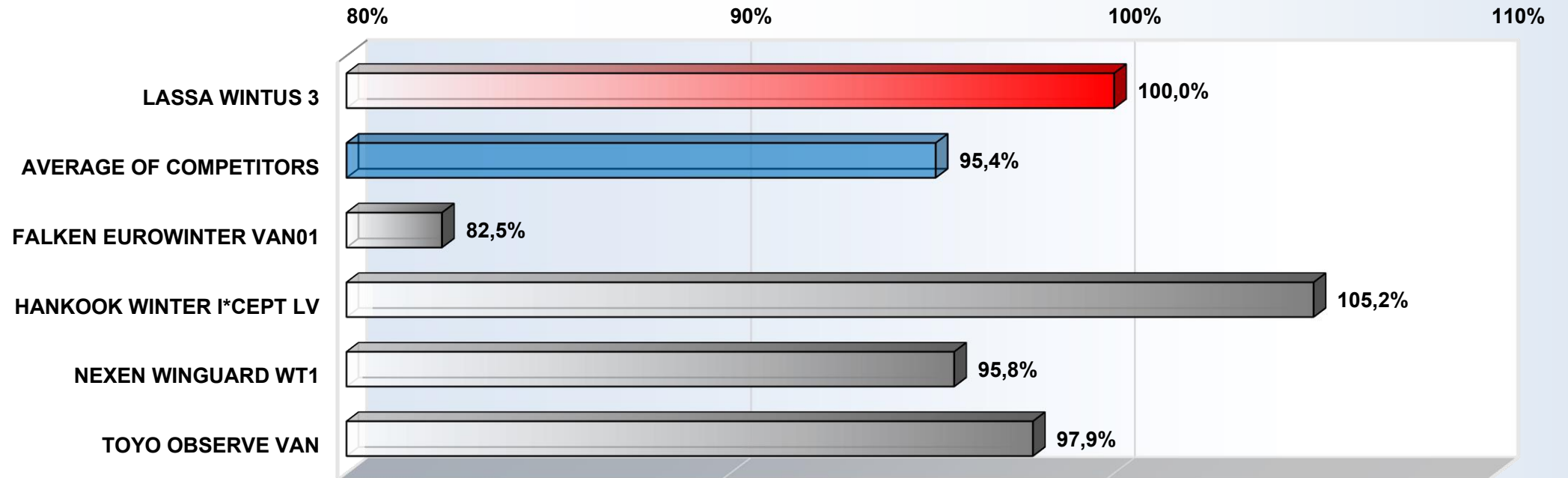
TEST RESULTS



ACCELERATION ON SNOW

- Acceleration on compressed snow with activated ETC (double execution)
- Result: Ø Acceleration time [s] from 10 to 35 km/h → Mean acceleration [m/s²]

ACCELERATION ON SNOW PERFORMANCE * [%]



*) The calculation of the percentage performance is based on the mean acceleration values resulting from the measured acceleration times.

TÜV SÜD PS – TÜV TIRE TEST MARK 2026

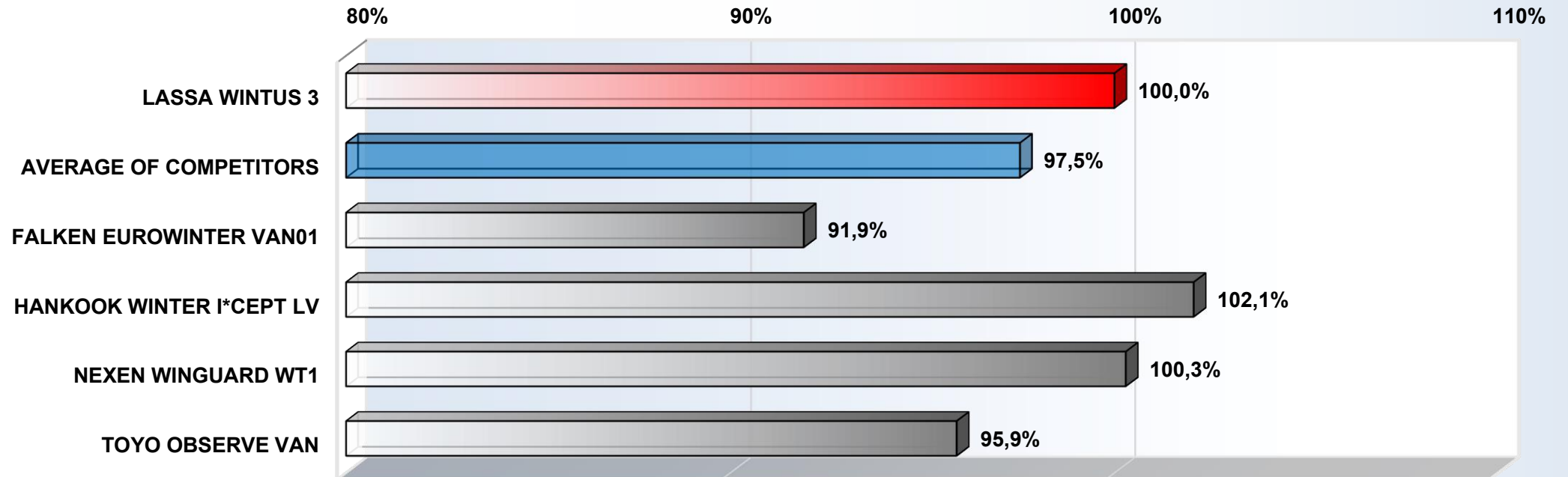
TEST RESULTS



BRAKING ON SNOW

- ABS-braking on compressed snow (double execution)
- Result: Ø Stopping distance [m] from 35 to 5 km/h → Mean deceleration [m/s²]

BRAKING ON SNOW PERFORMANCE * [%]



*) The calculation of the percentage performance is based on the mean deceleration values resulting from the measured braking distances.

TÜV SÜD PS – TÜV TIRE TEST MARK 2026

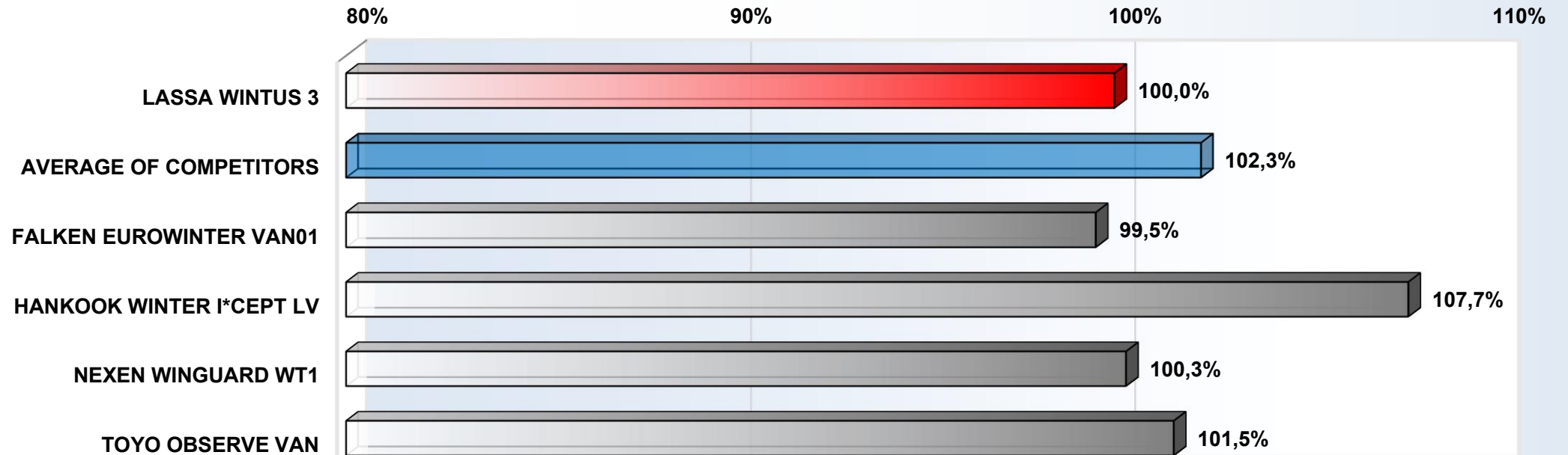
TEST RESULTS



LATERAL GRIP ON SNOW

- Circular state driving on a snow circle at the grip limit (circle radius: 36 m) (double execution)
- Result: Ø Lap time [s] → Lateral acceleration [m/s²]

LATERAL GRIP ON SNOW PERFORMANCE * [%]



*) The calculation of the percentage performance is based on the mean lateral acceleration values resulting from the measured lap times.

TÜV SÜD PS – TÜV TIRE TEST MARK 2026

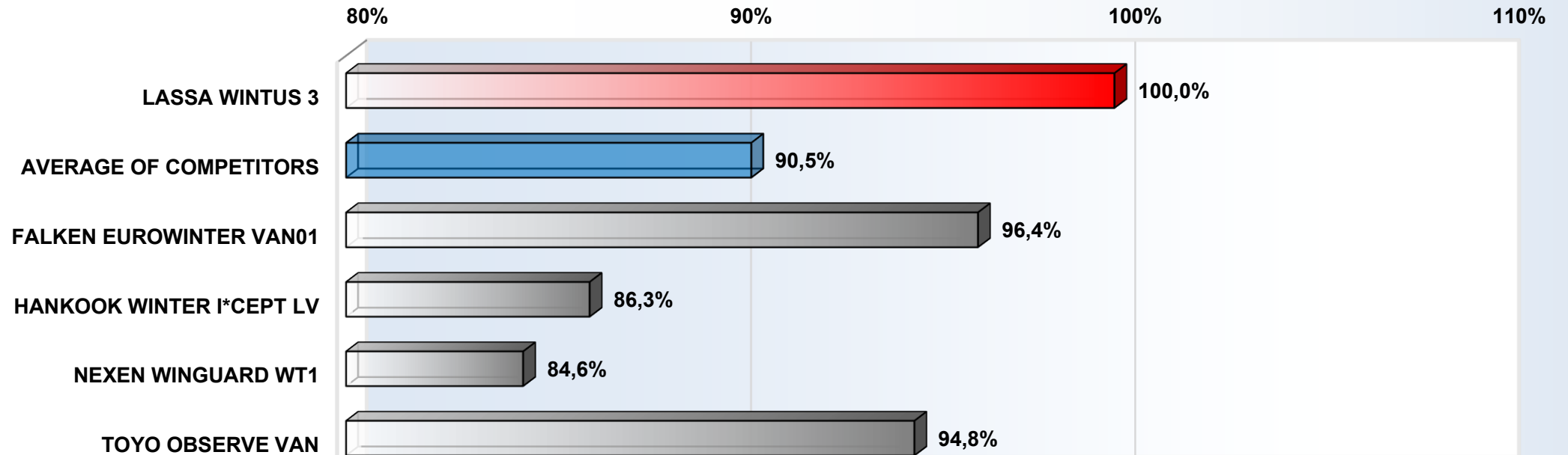
TEST RESULTS



WET BRAKING

- ABS-braking on wet asphalt surface
- Result: Ø Stopping distance [m] from 80 to 20 km/h → Mean deceleration [m/s²]

WET BRAKING PERFORMANCE * [%]



*) The calculation of the percentage performance is based on the mean deceleration values resulting from the measured braking distances.

TÜV SÜD PS – TÜV TIRE TEST MARK 2026

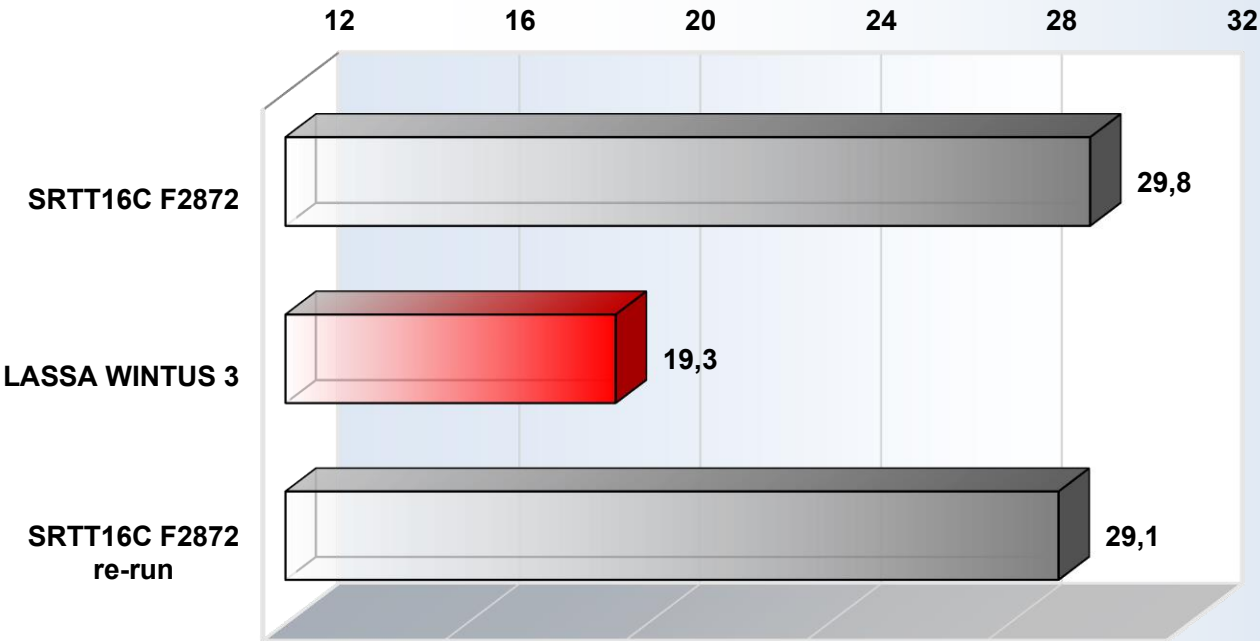
TEST RESULTS



WET GRIP INDEX (ECE R117 Annex 5)

- ABS-braking on wet asphalt surface acc. to ECE R117 Annex 5
- Result: Ø Stopping distance [m] from 60 to 20 km/h → Mean deceleration [m/s²] → Wet Grip Index

STOPPING DISTANCE [m]



TIRE BRAND	T _{Air} / T _{Surface} [°C]		WET GRIP INDEX
SRTT16C F2872	5,2	5,4	-
LASSA WINTUS 3	5,3	5,4	1,53
SRTT16C F2872 re-run	5,2	5,3	-

TÜV SÜD PS – TÜV TIRE TEST MARK 2026

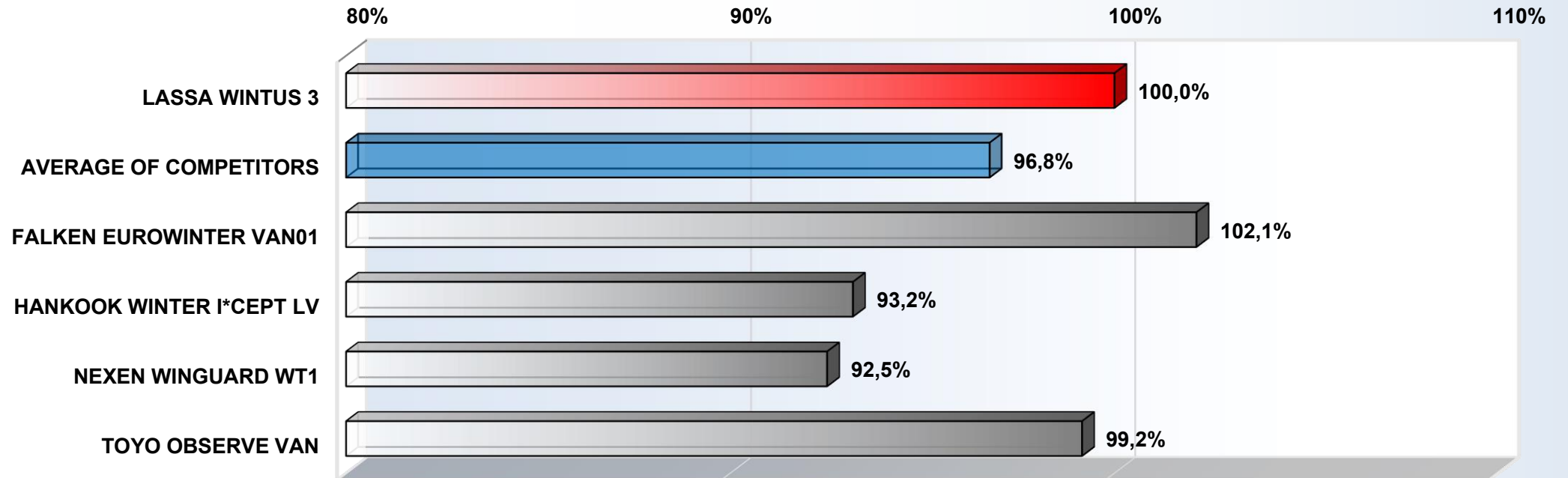
TEST RESULTS



LATERAL WET GRIP

- Circular state driving in wet circle at the grip limit (circle radius: 48 m)
- Result: Ø Lap time [s] → Mean lateral acceleration [m/s²]

LATERAL WET GRIP PERFORMANCE * [%]



*) The calculation of the percentage performance is based on the mean lateral acceleration values resulting from the measured lap times.

TÜV SÜD PS – TÜV TIRE TEST MARK 2026

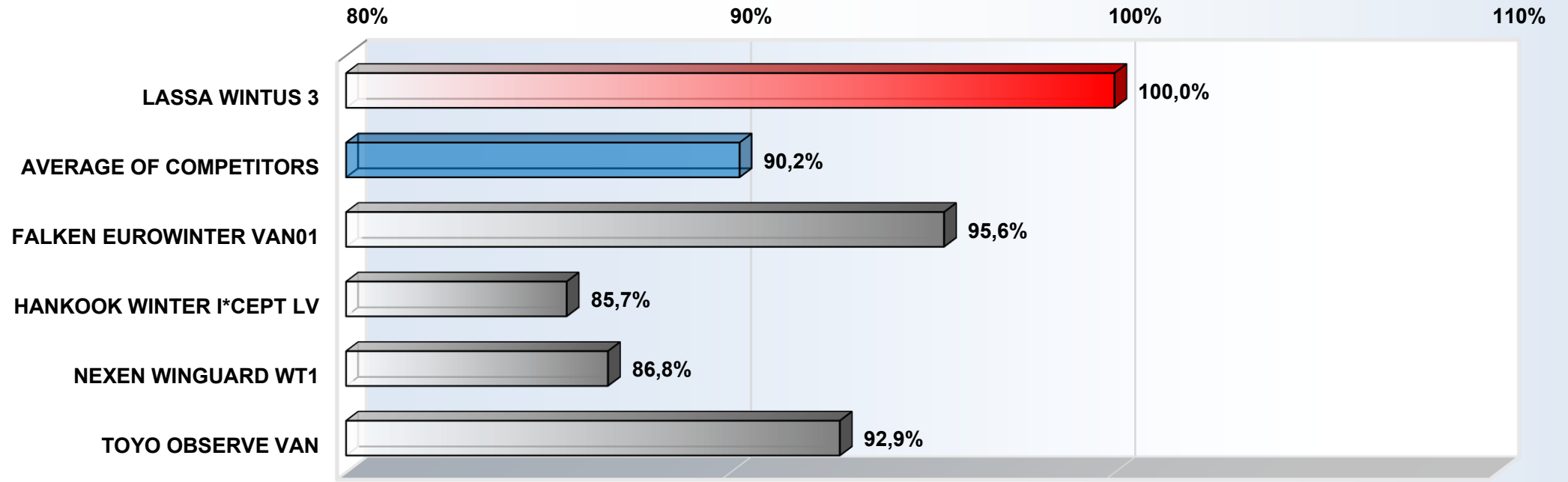
TEST RESULTS



DRY BRAKING

- ABS-braking on dry asphalt surface
- Result: Ø Stopping distance [m] from 100 to 0 km/h → Mean deceleration [m/s²]

DRY BRAKING PERFORMANCE * [%]



*) The calculation of the percentage performance is based on the mean deceleration values resulting from the measured braking distances.

TÜV SÜD PS – TÜV TIRE TEST MARK 2026

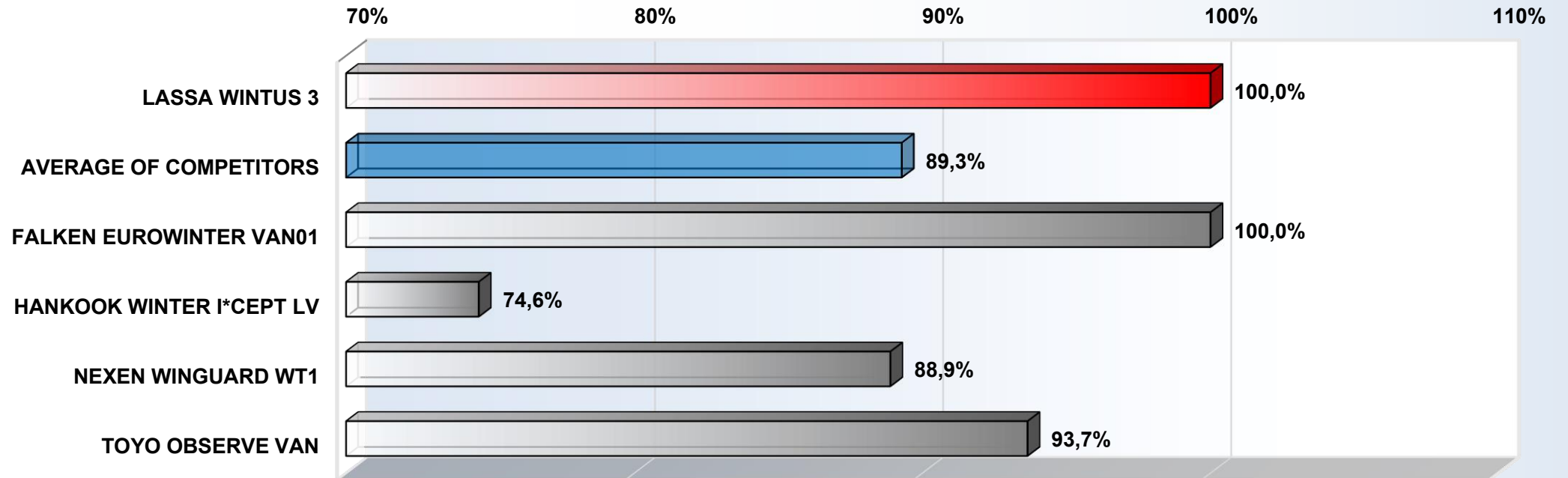
TEST RESULTS



ROLLING RESISTANCE (ECE R117 Annex 6)

- Acc. to ECE R117 Annex 6
- Result: Rolling resistance coefficient (c_R) EU label value [kg/t]

ROLLING RESISTANCE PERFORMANCE * [%]



*) The calculation of the percentage performance is based on the reciprocal values of the measured rolling resistance forces.

TÜV SÜD PS – TÜV TIRE TEST MARK 2026

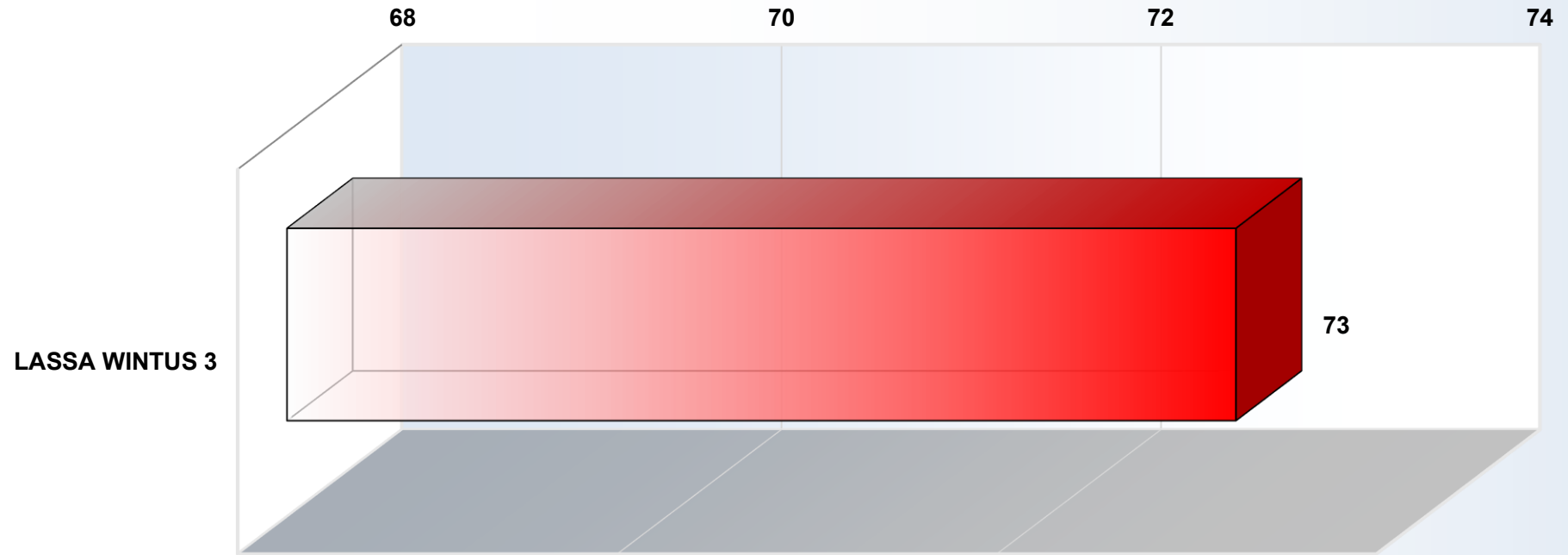
TEST RESULTS



ROLLING NOISE (ECE R117 Annex 3)

- Acc. to ECE R117 Annex 3
- Result: Rolling noise level (ECE type approval value) [dB(A)]

ROLLING NOISE (ECE type approval value) [dB(A)]



TÜV SÜD PS – TÜV TIRE TEST MARK 2026

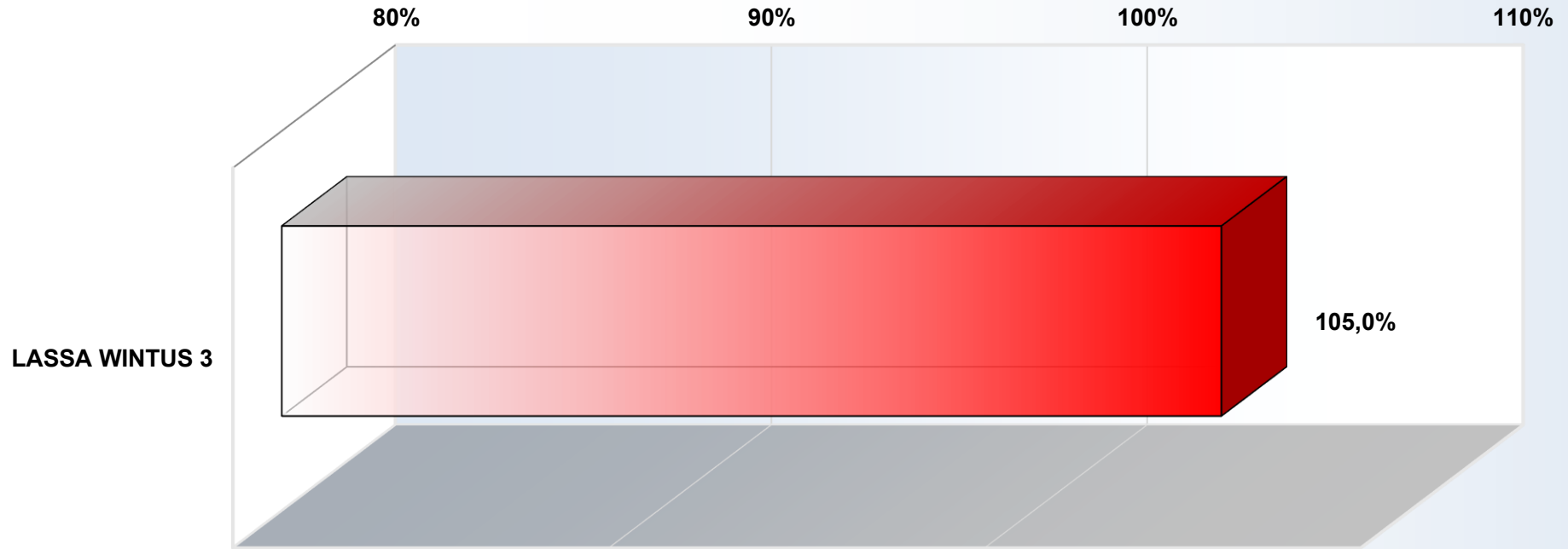
TEST RESULTS



HIGHSPEED TEST - OVERLOAD

- Acc. to ECE R54 + overload extension
- Result: Total running time without visible defect

HIGHSPEED PERFORMANCE * [%]



*) The calculation of the percentage performance is based on the total running time without defect.

TÜV SÜD PS – TÜV TIRE TEST MARK 2026

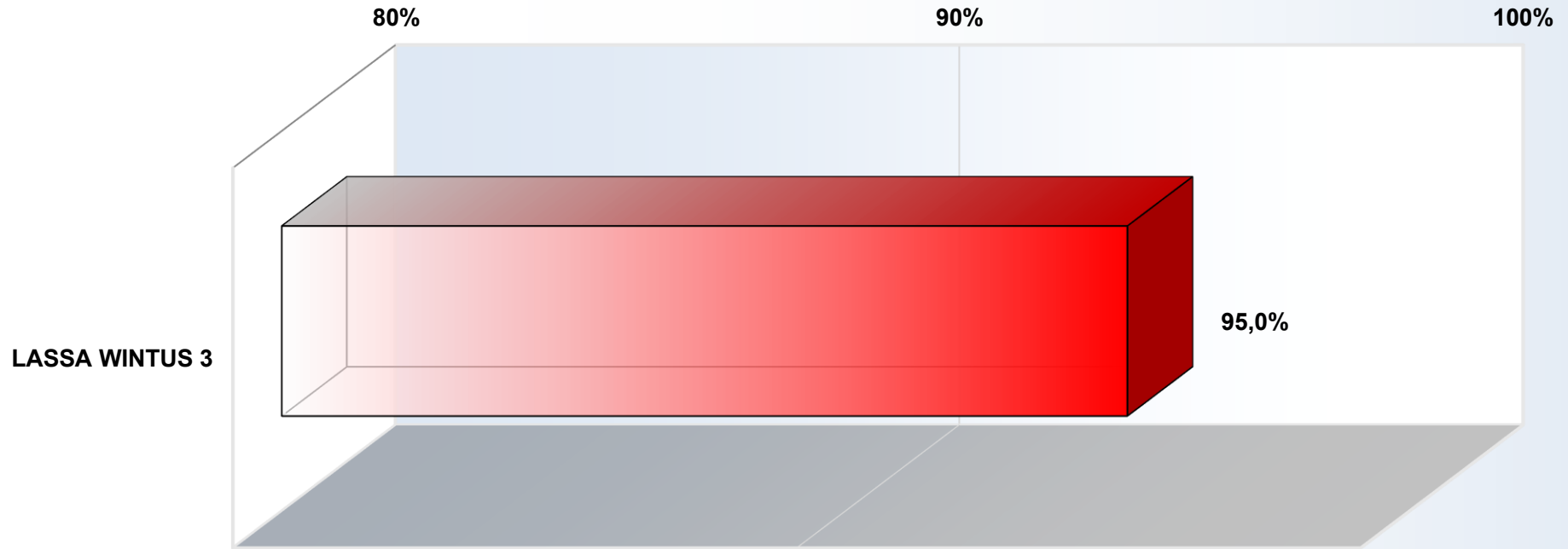
TEST RESULTS



ENDURANCE TEST ADVANCED – LOW PRESSURE

- Acc. to FMVSS 139 + low pressure extension
- Result: Total running time without visible defect

ENDURANCE PERFORMANCE * [%]



*) The calculation of the percentage performance is based on the total running time without defect.

TÜV SÜD PS – TÜV TIRE TEST MARK 2026

SUMMARY OF RESULTS



Percentage > 100% means better, percentage < 100% means worse	Weighting Factor	Limit single criterion	RESULTS FOR TÜV MARK		COMPETITORS COMPARED TO LASSA				
			LASSA WINTUS 3	TÜV MARK REFERENCE COLLECTIVE	LASSA WINTUS 3	FALKEN EUROWINTER VAN01	HANKOOK WINTER I*CEPT LV	NEXEN WINGUARD WT1	TOYO OBSERVE VAN
ACCELERATION ON SNOW	0,10	95%	105%	100%	100,0%	82,5%	105,2%	95,8%	97,9%
BRAKING ON SNOW	0,10	95%	103%	100%	100,0%	91,9%	102,1%	100,3%	95,9%
LATERAL GRIP ON SNOW	0,10	95%	98%	100%	100,0%	99,5%	107,7%	100,3%	101,5%
WET BRAKING	0,15	97%	113%	TÜV-MARK INDEX	100,0%	96,4%	86,3%	84,6%	94,8%
WET GRIP INDEX (ECE R117 Annex 5)					1,53	-	-	-	-
LATERAL WET GRIP	0,15	97%	103%	100%	100,0%	102,1%	93,2%	92,5%	99,2%
DRY BRAKING	0,10	97%	111%	100%	100,0%	95,6%	85,7%	86,8%	92,9%
ROLLING RESISTANCE (ECE R117 Annex 6)	0,05	90%	110%	TÜV-MARK INDEX	100,0%	100,0%	74,6%	88,9%	93,7%
ROLLING NOISE (ECE R117 Annex 3)	0,05	95%	95%	TÜV-MARK INDEX	73 dB(A)	-	-	-	-
HIGHSPEED TEST OVERLOAD	0,10	95%	105%	TÜV-MARK INDEX	105,0%	-	-	-	-
ENDURANCE TEST ADVANCED LOW PRESSURE	0,10	95%	95%	TÜV-MARK INDEX	95,0%	-	-	-	-
TOTAL RESULT (weighted)	Σ 1,000	100%	104%	100,0%	TÜV TIRE TEST MARK <u>passed</u>				