



TÜV SÜD Product Service Tire Test 2017

TIRE PERFORMANCE MARK – BRIDGESTONE Turanza T005

205/55 R16 91V

Report No. 713112819

Test Period: April - July 2017

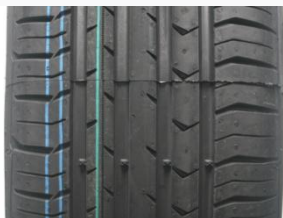
TIRE DETAILS

CANDIDATE TIRE:

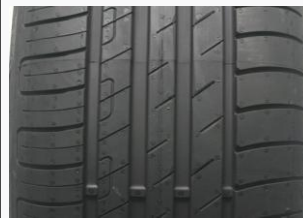


BRIDGESTONE
Turanza T005
205/55 R16 91V

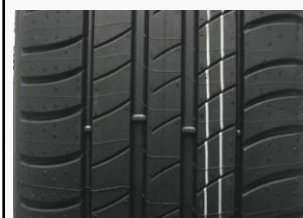
COMPETITOR TIRES (in testing order):



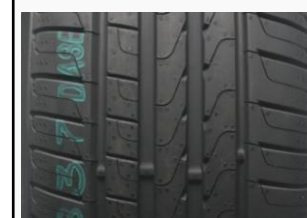
CONTINENTAL
ContiPremiumContact 5
205/55 R16 91V



GOODYEAR
EfficientGrip Performance
205/55 R16 91V



MICHELIN
Primacy 3
205/55 R16 91V



PIRELLI
Cinturato P7
205/55 R16 91V

All competitor tires were purchased independently by TÜV SÜD PS.
BRIDGESTONE Turanza T005 has been sent directly by the customer.

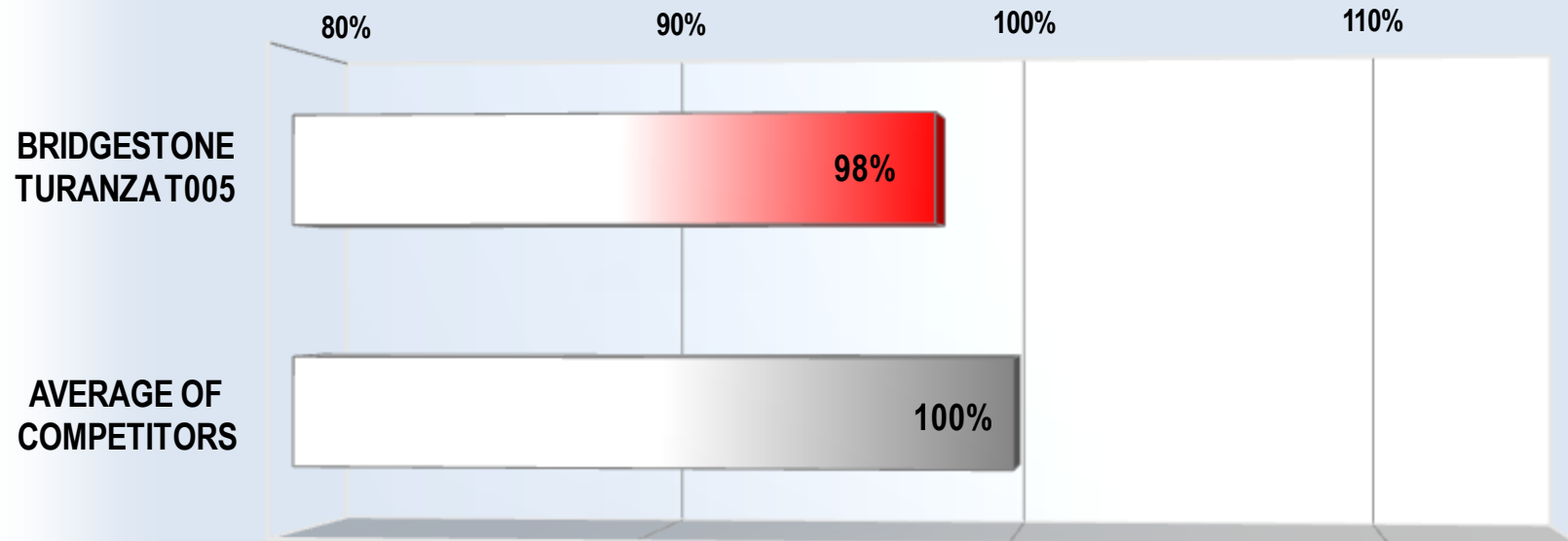


TEST RESULTS

■ AQUAPLANING LONGITUDINAL

- Water depth: ~9mm
- Result: Aquaplaning speed at 15% slip

AQUAPLANING STRAIGHTLINE RELATIVE PERFORMANCE [%]



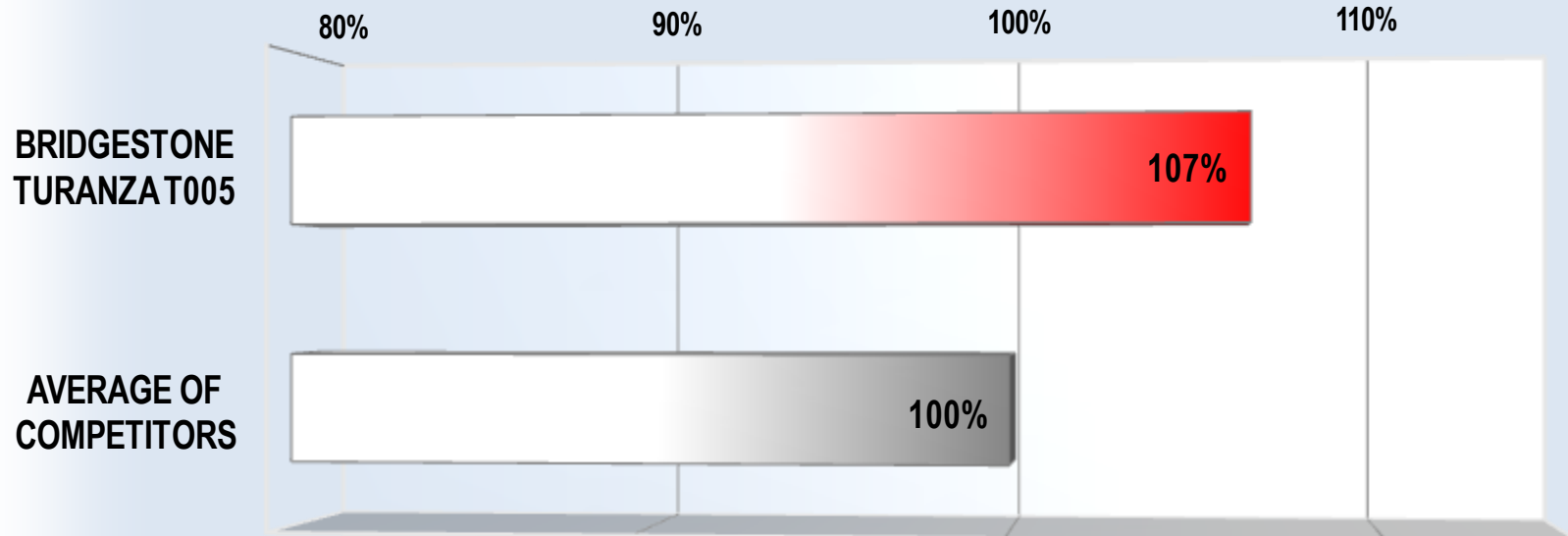
Values are rounded to the nearest whole number.

TEST RESULTS

▪ LATERAL WET GRIP

- Circular state driving in wet circle (R = 42 m) at the grip limit
- Result: Lap times [s] → Mean lateral acceleration [m/s²]

LATERAL WET GRIP RELATIVE PERFORMANCE [%]



Values are rounded to the nearest whole number.

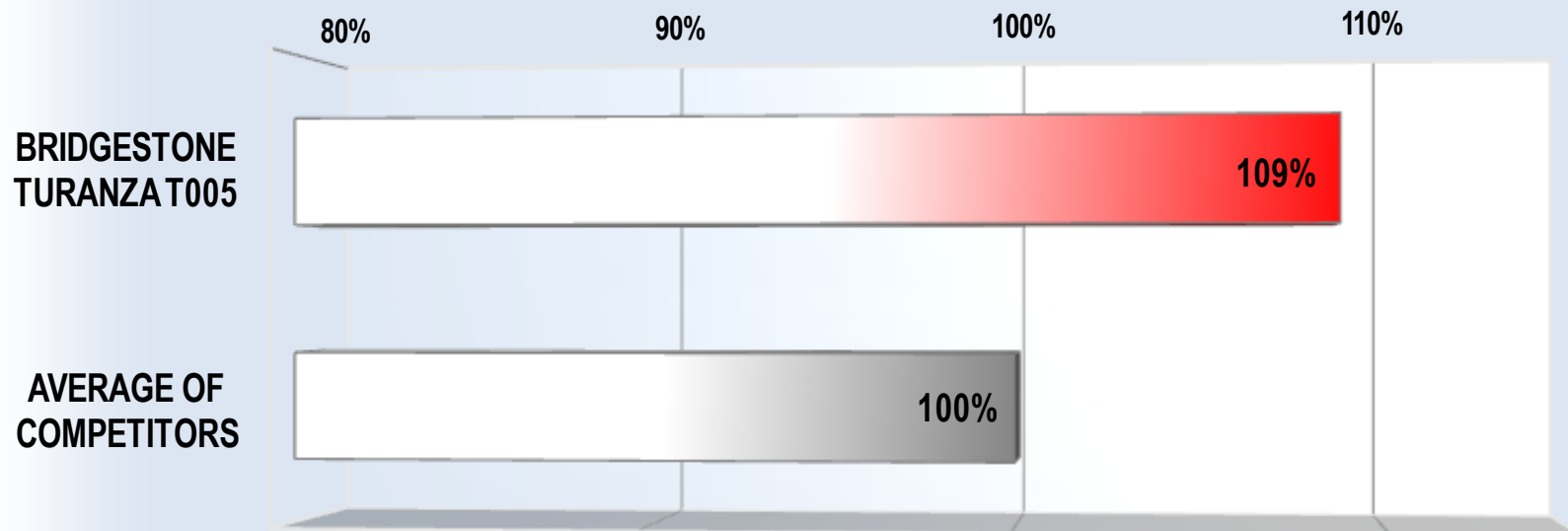


TEST RESULTS

▪ WET BRAKING

- ABS-braking on wet asphalt surface acc. ECE R117
- Result: Braking distance [m] from 80 to 20 km/h → Mean deceleration [m/s²]

WET BRAKING RELATIVE PERFORMANCE [%]



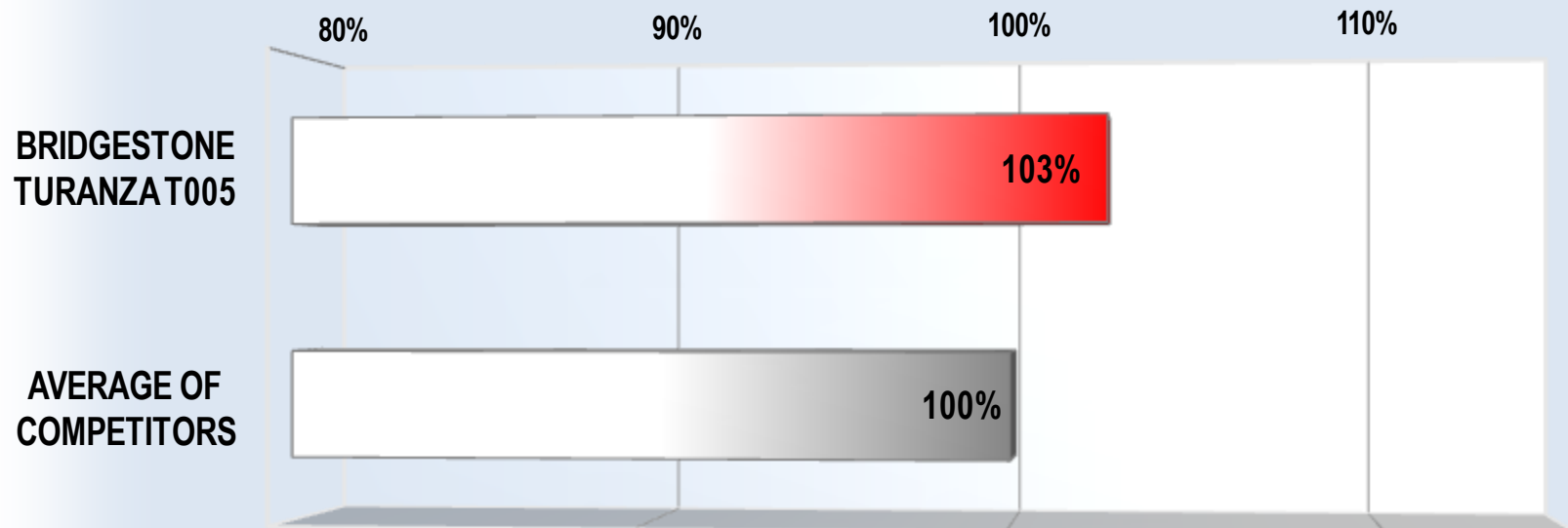
Values are rounded to the nearest whole number.

TEST RESULTS

■ DRY BRAKING

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

DRY BRAKING RELATIVE PERFORMANCE [%]



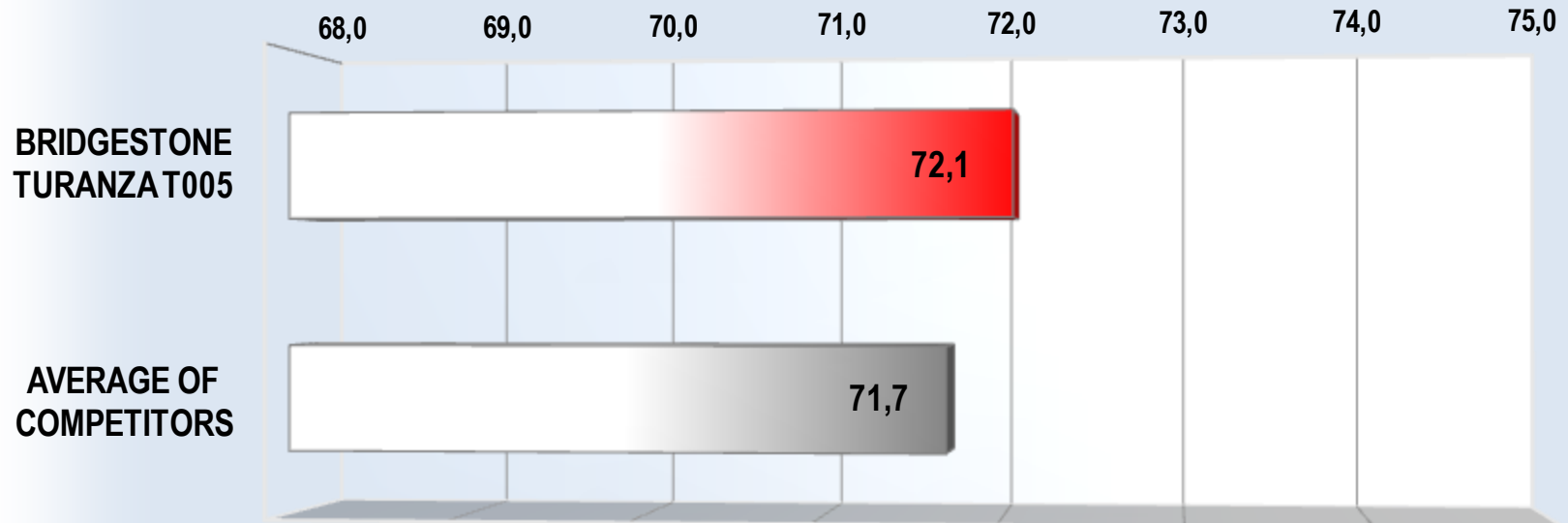
Values are rounded to the nearest whole number.

TEST RESULTS

■ PASS BY NOISE

- Acc. ECE R117
- Assessment of: Noise level [dB(A)] compared to average of competitors

TIRE ROLLING NOISE RELATIVE PERFORMANCE (Sound level) [dB(A)]



Values are rounded to the nearest whole number.

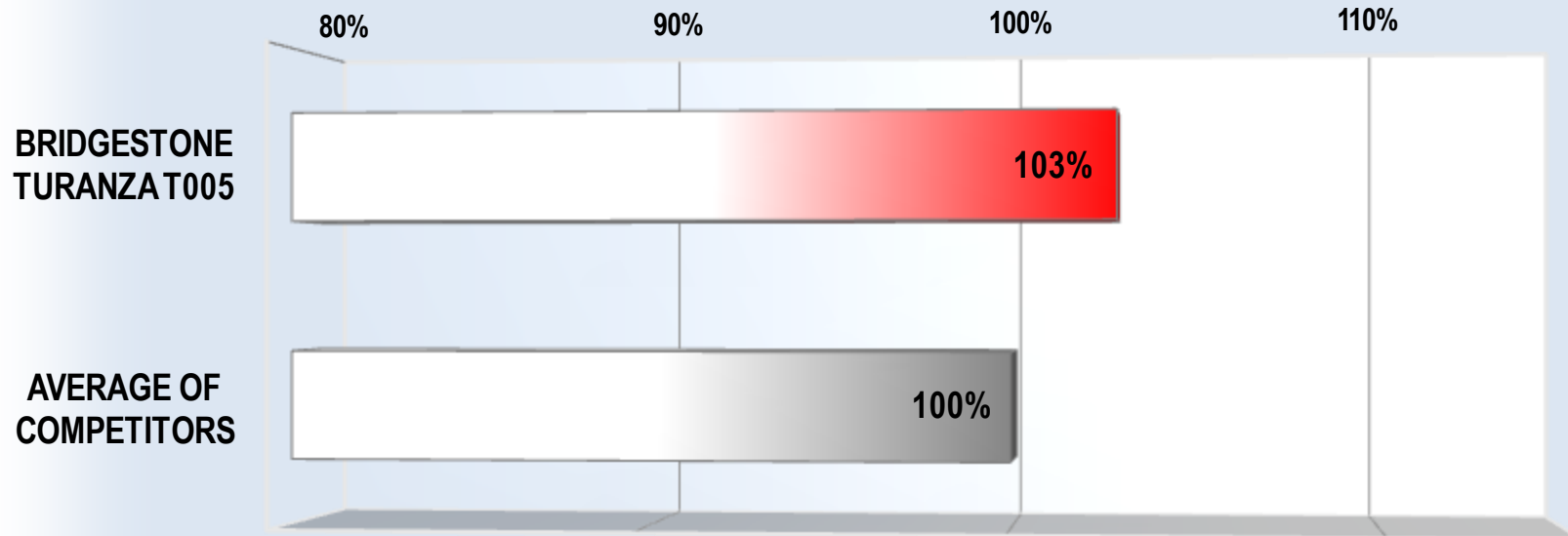


TEST RESULTS

■ ROLLING RESISTANCE

- Acc. ECE R117
- Result: Skim reading ISO-value (c_R) compared to average of competitors

LOW ROLLING RESISTANCE RELATIVE PERFORMANCE [%]



Values are rounded to the nearest whole number.



SUMMARY OF RESULTS TÜV TIRE TEST MARK

| | Bridgestone Turanza T005 | Average of competitors | Limit single criterion | Bridgestone Turanza T005 | Continental ContiPremiu mContact 5 | Goodyear EfficientGrip Performance | Michelin Primacy 3 | Pirelli Cinturato P7 |
|-------------------------------------|------------------------------|---------------------------|---|-----------------------------|--|--|-----------------------|-------------------------|
| AQUAPLANING STRAIGHTLINE | 98% | 100% | 95% compared to Ø of competitors | 100% | 104% | 104% | 101% | 99% |
| WET BRAKING | G = 1,75 109% | 100% | G ≥ 1.40 or 100% compared to Ø of competitors | 100% | 94% | 89% | 92% | 92% |
| LATERAL WET GRIP | 107% | 100% | 97% compared to Ø of competitors | 100% | 96% | 95% | 91% | 93% |
| DRY BRAKING | 103% | 100% | 97% compared to Ø of competitors | 100% | 97% | 98% | 98% | 97% |
| ROLLING NOISE | 71 dB(A) 0,4 dB(A) louder | | min. legal limit -1 dB(A) or max. 0,5 dB(A) louder average of competitors | 72,1 (dB/A) | 70,9 (dB/A) | 70,6 (dB/A) | 73,3 (dB/A) | 72,1 (dB/A) |
| ROLLING RESISTANCE | 7,9 kg/t 103% | 100% | c _R ≤ 9.0 kg/t or 95% compared to Ø of competitors | 100% | 97% | 100% | 88% | 104% |

PERFORMANCE MARK TEST **TÜV SÜD Product Service GmbH**
passed.

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Garching 21.07.17

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