

Peak 4x4 – Brake Pad Test Report

Tested Product: Heavy-Duty Brake Pad Kit for Toyota LC300

Test Summary:

Test ID	TP-LC300-BKP-002
Date of Test	15-Jan-2026
Location	Peak 4x4 Internal Lab, UAE
Vehicle Platform	Toyota Land Cruiser 300 (Armored, 6100kg GVW)
Tester	Senior Brake Engineer – Ahmed El Khouri
Test Conditions	Ambient 37°C, Loaded Brake Dyno, 850°C max rotor temp

Test Results:

Test Parameter	Result	Remarks
Initial Friction Coefficient (Cold)	0.45	Within expected range
Friction Coefficient (Hot, 700°C)	0.52	Stable and linear
Fade Resistance	Pass	No fade up to 830°C
Rotor Wear	Minimal	No scoring, within tolerance
Pad Wear after 500 cycles	7.8%	Acceptable
Noise & Vibration	Low	No squeal or chatter observed
EPB Compatibility	Fully Compatible	No error codes triggered

Conclusion:

The Peak 4x4 heavy-duty brake pad kit for the Toyota LC300 demonstrated high resistance to thermal fade, stable friction behavior across temperature ranges, and full compatibility with OE electric parking brake systems. Test results validate the brake pad's suitability for armored and high-load applications under GCC conditions.

Certified by: Peak 4x4 Engineering Division
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