

CERTIFICATE

(Valid 15 months from the measurement date)

This is to certify that the LTM-1 operated by AS Teede Tehnokeskus has been approved in the yearly tests performed in May 2022. The test is done according to the Swedish yearly standard test procedures described in the document TDOK 2014:0706, from the Swedish Transport Administration. The test has three parts, validity test (the results are compared with a reference), repeatability test and test according to standard project level measurement quality assurance procedures.

The test certifies that LTM1 is compatible with the approved fleet of measurement vehicles in Sweden for project level measurements.

The tests done for this certificate include approval of IRI (International Roughness Index) in the right wheel track, megatexture in the right wheel track, MPD (Mean Profile Depth) in the right wheel track and finally position measurements. The basic data used for approval is collected from one 1 200 m long test section and two project level sections, both approximately 4,5 km long. The measurements were done 2022-05-30. The limits for the tests are according to the current Swedish standards¹. Attached to this certificate is one document with a more detailed reporting, Annex A.

Tested parameter	Approved
IRI right (International Roughness Index)	OK
Megatexture right	OK
MPD right (Mean Profile Depth)	OK
Position	OK

The approval is valid for the soft- and hardware versions used in the tests. Responsible for the analysis in this approval, Research Engineer Thomas Lundberg, VTI

2022-12-15

X *Anita Ihs*

Anita Ihs
Research Director
Signerat av: Anita Ihs

¹ Requirements – Tekniskt godkännande för vägytemätning (Swedish), TDOK 2014:0706, Version 2.0 Trafikverket, 2020-01-01