
Standard Method of Test for

**Nonlinear Impact Resonance
Acoustic Spectroscopy (NIRAS)
for Concrete Specimens with
Damage from the Alkali-Silica
Reaction (ASR)**

AASHTO Designation: TP 109-14 (2016)¹

Technical Section: 3c, Hardened Concrete

Release: Group 1 (April)



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Provisional standard TP 109 has been adopted as a full standard test, T 379.

¹ This provisional standard was first published in 2014.