



Air Resources Board



Matthew Rodriguez
*Secretary for
Environmental Protection*

Mary D. Nichols, Chairman
1001 I Street • P.O. Box 2815
Sacramento, California 95812 • www.arb.ca.gov

Edmund G. Brown Jr.
Governor

March 6, 2014

Bjorn Engstrom
Perten Instruments
P.O. Box 9006
SE-126 09
Hagersten
Sweden

Dear Mr. Engstrom:

Thank you for your request to have the Perten Instruments near infrared (NIR) instrument added to the list of alternative small scale test methods for use by manufacturers of composite wood products that conduct quality control testing of formaldehyde emissions. For the Air Resources Board's (ARB) Executive Officer to approve of an alternative small scale test method, it must be shown to correlate to primary or secondary test method results. The data you provided us for testing formaldehyde emissions from particleboard and medium density fiberboard (MDF) demonstrates that the Perten NIR instrument shows good correlation to data from secondary method (small chamber) tests over a range of formaldehyde concentrations pertinent to the emission standards in the Airborne Toxic Control Measure to Reduce Formaldehyde Emissions from Composite Wood Products (title 17, California Code of Regulations, sections 93120-93120.12). Based on ARB staff analysis of the information provided, I recommend that the Perten NIR method be accepted as an alternative small scale test method. On behalf of our Executive Officer, Richard Corey, I hereby approve your request.

The Perten NIR method is approved for use by any manufacturer of particleboard or MDF when specimens of panels are tested in a mill's quality control laboratory, provided that the following condition is met by all persons using the Perten NIR method:

Small scale quality control tests of particleboard or MDF performed using the Perten NIR method must follow all operational parameters and calibration procedures specified in the Perten NIR DA 7250 User Manual.

We will add the Perten NIR method to our composite wood products website, as an approved alternative small scale quality control test method for use by any manufacturer of particleboard or MDF, pursuant to California Code of Regulations section 93120.9(d) and section 93120.12, Appendix 2, subsection (g)(1)(C).

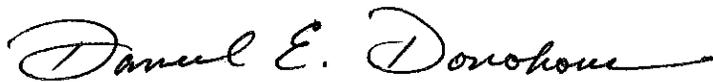
The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption. For a list of simple ways you can reduce demand and cut your energy costs, see our website: <http://www.arb.ca.gov>.

California Environmental Protection Agency

Bjorn Engstrom
March 6, 2014
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If you need further assistance, please contact Mr. Lynn Baker of our Technical Analysis Section, at lbaker@arb.ca.gov or (916) 324-6997.

Sincerely,

A handwritten signature in cursive script that reads "Daniel E. Donohoue". The signature is written in black ink and has a long, sweeping underline that extends to the right.

Daniel E. Donohoue, Chief
Emissions Assessment Branch
Stationary Source Division

cc: Lynn Baker
Staff Air Pollution Specialist
Technical Analysis Section
Emissions Assessment Branch