DANGERS OF MVER

This graph clearly shows that even though a floor tests below 5lbs, the interior of the slab can have excess moisture leading to potential flooring failure.

Paired MVER and RH Measurements:
A majority of the points below the 5lb MVER line indicate what would seem "safe" readings (y axis) in the 2-5 lb. range, yet the RH levels (x axis) range from 80% to above 95%.

“There are many reasons why calcium chloride moisture emission testing cannot do what a relative humidity test can accomplish. The bottom line is that RH testing is a far better predictor of whether or not a floor covering or coating on a concrete slab will succeed or fail. It is unnecessary to perform moisture emission tests in addition to relative humidity.”

—Howard Kanare, Senior Principal Scientist, CTLGroup