

42 C.F.R. § 84.174

Filter efficiency level determination test—non-powered series N, R, and P filtration.

- (a) Twenty filters of each non-powered air-purifying particulate respirator model will be tested for filter efficiency against:
- (1) A solid sodium chloride particulate aerosol as per this section, if N-series certification is requested by the applicant.
 - (2) A dioctyl phthalate (DOP) or equivalent liquid particulate aerosol as per this section, if R-series or P-series certification is requested by the applicant.
- (b) Filters including holders and gaskets, when separable, will be tested for filter efficiency level, as mounted on a test fixture in the manner as used on the respirator.
- (c) Prior to filter efficiency testing of 20 N-series filters, the 20 to be tested will be taken out of their packaging and placed in an environment of 85 ± 5 percent relative humidity at 38 ± 2.5 °C for 25 ± 1 hours. Following the pre-conditioning, filters will be sealed in a gas-tight container and tested within 10 hours.

This document is only available to subscribers. Please [log in](#) or [purchase access](#).

[Purchase Login](#)