NSF International

MEMORANDUM

TO: Joint Committee on Drinking Water Additives – Treatment Chemicals

FROM: Jon DeBoer, Chairperson of the Joint Committee

DATE: July 8, 2008

SUBJECT: Proposed revision to NSF/ANSI 60 (60i42r1)

Enclosed is the ballot for Draft 1 of NSF/ANSI 60 issue 42. Please review the proposal and return your ballot **by the ballot due date of July 29, 2008.**

Purpose

To modify the minimum recorded weight in the method for Preparation K (B.3.12) to provides practical limitations for weights recorded during the estimation of chemical tested on a dry weight basis

Background

Preparation Method K is used to prepare metal salt coagulants such as alum, ferric chloride, ferrous chloride, ferric sulfate, ferrous sulfate, and polyaluminum sulfate. Those that are provided as coagulant solutions go through a step that estimates the amount of product being tested on a dry weight basis. This part of the procedure involves weighing a 100 mL volumetric flask when empty, when filled with 20 to 50 mLs of coagulant solution, and when full. The relative weights of these are in the 50gram to 200gram range. Although an analytical balance used to measure these weights can have readout down to the 0.0001 gram (0.1 mg), that low of a reading is beyond the accuracy of the calibration of the balance when used to measure items in the 50gram to 200gram range.

The method currently requires recording weight measurements to the nearest 0.1 mg. Raising the minimum recording requirements to 0.01 gram (10 mg) would still provide 3 significant figures dry weight of product estimated through this method.

Public Health Impact

There will be no negative public health impact.

If you have any questions about the technical content of the ballot, you may contact me in care of:

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