Change to read:

Methylbenzothiazolone Hydrazone Hydrochloride,

$C_8H_{10}ClN_3S \cdot H_2O$ 233.7   CAS RN$^{®}$: 38894-11-0.

(monohydrate form)   215.70

(anhydrous form);   CAS RN$^{®}$: 149022-15-1. (hydrate form)—Use a suitable grade with a content of NLT 97%.

Suitability for Determination of Aldehydes

▲**Sample solution:** Transfer 60 µL of 1 g/L of propionaldehyde in aldehyde-free methanol and 5 mL of 4 g/L of methylbenzothiazolone hydrazone hydrochloride in water to a 100-mL volumetric flask containing 2 mL of aldehyde-free methanol. Mix and allow the resulting solution to stand for 30 min. Add 25.0 mL of 2 g/L of ferric chloride in water to the flask and dilute with acetone to volume.

Blank: Transfer 5 mL of 4 g/L of methylbenzothiazolone hydrazone hydrochloride in water to a 100-mL volumetric flask containing 2 mL of aldehyde-free methanol. Mix and allow the resulting solution to stand for 30 min. Add 25.0 mL of 2 g/L of ferric chloride in water to the flask and dilute with acetone to volume.

Instrumental conditions

(See *Ultraviolet-Visible Spectroscopy ⟨857⟩.*)

  Mode: UV-Vis

  Wavelength: 660 nm

Analysis

  Samples: *Sample solution* and *Blank*

Acceptance criteria: The absorbance of the *Sample solution* is NLT 0.62.▲ (USP 1-Dec-2023)

Topic/Question	Contact	Expert Committee
METHYLBENZOTHIAZOLONE HYDRAZONE HYDROCHLORIDE	Margareth R.C. Marques Principal Scientific Liaison	HDQ Headquarters