Checking a Cleaning Test With Blank Coupons

Scoring guide · one credit per question · review written work against each rubric

Checking a Cleaning Test With Blank Coupons

Question 1

Choice (2)

With no film present, the measured mass loss comes from the metal.

Question 2

For P subtract 7 mg from 18 mg to obtain 11 mg. For Q subtract 2 mg from 15 mg to obtain 13 mg.

Question 3

Q removes 13 mg of film and 2 mg of metal, meeting both. P removes 11 mg of film and 7 mg of metal, so it fails both.

Question 4

The film loss is 15 − 1 = 14 mg. The uncoated correction gives 15 − 2 = 13 mg. It underestimates film loss by 1 mg because the uncoated coupon loses more metal.