

ERRATUM

Nobody is perfect and everybody makes mistakes sometimes. We apologize to the author and to our readers for the mistake in the article:

Ronny Wagner

How to Analyze Film-Forming Amines – Analytical Methods and Best Practices

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The Table 1 on page 40 is incorrect.

The analytical method used in the Chemetrics FFA Test Kit is methyl orange extraction, not rose bengal reaction. In addition, the respective source references were missing for the analytical methods.

Please find the corrected Table 1 below.

The corrected version of the paper (a PDF file) is available to all readers at our homepage journal.ppchem.com.

| | Laboratory Methods | | Field Test | | Online |
|--------------------|--|--|--|---|--|
| | Silverstein Method [3] | Hach Method 10317 [5] | Lovibond Tablets [6] | CHEMetrics FFA Test [7] | Waltron FFA Analyzer [8] |
| Analytical method | Methyl orange extraction | Rose bengal reaction | Bromocresol green reaction | Methyl orange extraction | Rose bengal reaction |
| Measuring range | 0.02–2.00 mg·L ⁻¹ | 0.02–3.00 mg·L ⁻¹ | 1–10 mg·L ⁻¹ | 0.05–1.00 mg·L ⁻¹ | 0.00–0.50 mg·L ⁻¹ |
| Advantages | <ul style="list-style-type: none"> ■ Standard laboratory chemicals ■ High accuracy ■ Sample transport possible | <ul style="list-style-type: none"> ■ High accuracy ■ No chloroform necessary | | <ul style="list-style-type: none"> ■ Easy to use ■ Can be used as a rapid test ■ Sufficient accuracy | <ul style="list-style-type: none"> ■ Continuous measurement ■ High accuracy ■ No additional laboratory required |
| Disadvantages | <ul style="list-style-type: none"> ■ Use of chloroform ■ Photometer required ■ Chemical handling requires laboratory practice | <ul style="list-style-type: none"> ■ Only works with Hach photometers (program required) ■ Sample needs to be analyzed quickly | <ul style="list-style-type: none"> ■ Use of chloroform ■ Low accuracy ■ Sample needs to be analyzed quickly | <ul style="list-style-type: none"> ■ Sample needs to be analyzed quickly ■ High cost per analysis | <ul style="list-style-type: none"> ■ High investment costs ■ Maintenance |
| Number of analyses | – | 100 | 100/250 | 20 | – |
| Cost per analysis | €€ | €€ | € | €€€ | € |

Table 1:
An overview of the discussed test methods.

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