

## SETA - Sole Provider of PT Scheme for Determination of H<sub>2</sub>S in Marine Fuel

Support analytical competency and compliance with ISO 17025

Recommended Practice in IP 570/14a

Proficiency Testing is defined as an evaluation of participant performance against pre-established criteria by means of a world-wide inter-laboratory comparison (ISO/IEC 17043). The scheme acts as a quality assurance programme which enables users to continually monitor the performance of their H<sub>2</sub>S Analyser in accordance with ISO/IEC 17025. This is achieved by testing a sample with a known, but undisclosed, H<sub>2</sub>S concentration.

### Aim of Proficiency Testing

Proficiency Testing aids laboratories in achieving accurate and reproducible results and therefore provides reassurance in the laboratory's testing. Proficiency Tests can validate the participating laboratory's measurement method, technical training, traceability of standards, and uncertainty budgets.

### Method Compliance

Validation of apparatus performance has now been stated as a mandatory requirement at least every 3 months in IP 570/14a – Determination of hydrogen sulfide in fuels oils – Rapid Liquid Phase extraction Method. Participation in the Seta IP 570 Proficiency Testing Scheme is stated as the preferred means to achieve this requirement as it enables laboratories to evaluate their performance for testing H<sub>2</sub>S in the liquid phase using the Seta H<sub>2</sub>S Analyser

### What are the benefits of the IP 570 PT Scheme?

- Ability to demonstrate compliance with laboratory accreditation requirements (ISO 17025)
- World-wide Inter-laboratory comparison of test results and performance
- Identify any potential equipment or operational bias
- Provides added confidence to laboratory staff and customers
- Reduced potential for dispute
- Easy online result reporting
- Z-Score performance indicators
- Diagnostic support provided if incorrect results are reported
- Repeat samples available for incorrect result investigation

### How to join the IP 570 PT Scheme

To receive a quote please email [service@stanhope-seta.co.uk](mailto:service@stanhope-seta.co.uk) or [click here](#). Upon receipt of your purchase order your account will be set up online at [www.seta-analytics.ptscheme.com](http://www.seta-analytics.ptscheme.com). Your login details and unique lab code, along with further instructions, will be sent to you directly.

#### PT Scheme Subscriptions

SA4032-0	Quarterly subscription	<a href="#">Click here for a quote</a>
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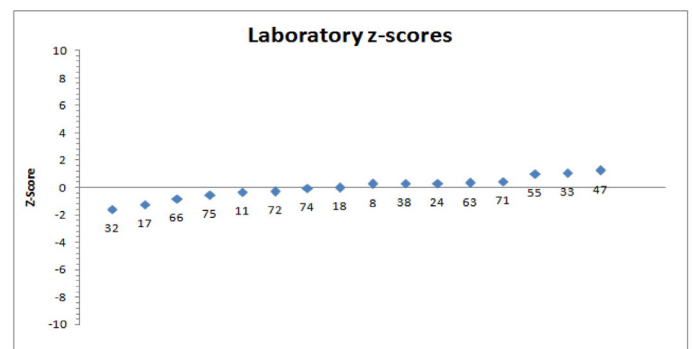


### Summary Report

At the end of each month's scheme, a summary report is distributed to all members participating containing:

- An overview of the month
- Details regarding the assigned value
- A table detailing the test data reported
- Z-Score performance indicators
- A summary of performance
- Advice relating to any action required

Z-scores are calculated from taking the ratio of the difference between the mean and the mean test result and the test method reproducibility standard deviation. The Z-score is an indication of performance against the published test method precision.



If results fall outside the expected tolerances a checklist of parameters that should be checked will be provided. In addition to this technical advice will be provided by either Stanhope-Seta or a local Seta Representative.

## How does the IP 570 PT Scheme work?

