

International Mixes

ISO/DIS 9377 Water Quality Testing

- For GC analysis of total petroleum hydrocarbons (TPH) in water.
- Calibration standard available as Diesel #2/ motor oil and Diesel #2/mineral oil.

Reference mixtures for ISO/DIS 9377 (German H-53), a gas chromatography/flame ionization detection (GC/FID) method.

Diesel #2/Motor Oil (2 components)

diesel fuel #2 composite motor oil
5,000µg/mL each in hexane, 1mL/ampul
cat. # 31682 (ea.)

Diesel #2/Mineral Oil (2 components)

diesel fuel #2 composite mineral oil
5,000µg/mL each in hexane, 1mL/ampul
cat. # 31676 (ea.)

Standard Mixture Stock Solution (2 components)

diesel #2 (additive-free)
mineral oil (additive-free [i.e., USP grade] bp 325-460
or C18-C32 retention time range)
5,000µg/mL each in cyclohexane, 1mL/ampul (prepares 8mL of 1.25µg/µL calibration
curve high point) Total hydrocarbon concentration is 10,000µg/mL.
cat. # 31630 (ea.)

Quality Control Standard Mixture, Revised (2 components)

diesel #2 (additive-free)
motor oil (additive-free bp 325-460 or C18-C32 retention time range)
500µg/mL each in acetone, 1mL/ampul (1mL is enough mix to spike one 900mL quality
control sample). Total hydrocarbon concentration is 1,000µg/mL.
cat. # 31641 (ea.)

Quality Control Standard Mixture (2 components)

diesel #2 (additive-free)
mineral oil (additive-free [i.e., USP grade] bp 391-522
or C24-C40 retention time range)
500µg/mL each in acetone, 1mL/ampul (1mL is enough mix to spike one quality
control sample). Total hydrocarbon concentration is 1,000µg/mL.
cat. # 31631 (ea.)

ISO/DIS 9377 Water Quality Testing *cont'd*

System Performance Test Standard Mixture of *n*-Alkanes

(16 components)
n-decane (C10) *n*-hexacosane (C26)
n-dodecane (C12) *n*-octacosane (C28)
n-tetradecane (C14) *n*-triacontane (C30)
n-hexadecane (C16) *n*-dotriacontane (C32)
n-octadecane (C18) *n*-tetraatriacontane (C34)
n-eicosane (C20) *n*-hexatriacontane (C36)
n-docosane (C22) *n*-octatriacontane (C38)
n-tetracosane (C24) *n*-tetracontane (C40)
50µg/mL each in hexane, 1mL/ampul
cat. # 31678 (ea.)

Extraction Solvent Stock Solution #1 (2 components)

n-decane (C10) 20µL/L *n*-tetracontane (C40) 20mg/L
In hexane, 5mL/ampul
cat. # 31679 (ea.)

Extraction Solvent Stock Solution #2 (2 components)

n-decane (C10) 20µL/L *n*-tetracontane (C40) 20mg/L
In hexane, 20mL/ampul
cat. # 31680 (ea.)

Stearyl Stearate Test Solution

stearyl stearate
2,000µg/mL in hexane, 10mL/ampul
cat. # 31681 (ea.)
2,000µg/mL in cyclohexane, 10mL/ampul (enough to check one Florisil cartridge)
cat. # 31636 (ea.)

Florisil® Cartridge Quality Control Standard Mixture, Rev.2

(2 components)
diesel fuel #2 composite mineral oil
1,000µg/mL each in hexane, 10mL/ampul
cat. # 31677 (ea.)

n-Tetracontane (C40)

Neat, 100mg
cat. # 31859 (ea.)

n-Decane (C10)

Neat, 1mL/ampul
cat. # 31858 (ea.)

Stearyl Stearate

Neat, 100mg
cat. # 31860 (ea.)

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