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Weathered Petrochemical Standards

These solutions are prepared from a single source (one refinery) product. The weathered materials indicate the percent weight loss from the original material. Samples of regular and premium grade unleaded gasoline were blended in equal volumes.

There are four general types of mineral spirits, classified according to boiling point range (BPR):

- Type I (Stoddard solvent) BPR 149–182°C
- Type II (high flash point) BPR 177–196°C
- Type III (odorless) BPR 149–196°C
- Type IV (low dry point) BPR 149–174°C

Stoddard Solvent Standard

10,000µg/mL in P&T methanol, 1mL/ampul
cat. # 30487 (ea.)

We prepare our mineral spirits solutions from an equal volume blend of Type I, II, and III mineral spirits.

Compound	cat.# (ea.)
5,000µg/mL in P&T methanol, 1mL/ampul	
unleaded gasoline: 25% weathered	30097
unleaded gasoline: 50% weathered	30098
unleaded gasoline: 75% weathered	30099
unleaded gasoline: 99% weathered	30436
unleaded gasoline: unweathered	30096
5,000µg/mL in methylene chloride, 1mL/ampul	
kerosene: 25% weathered	31230
kerosene: 50% weathered	31231
kerosene: 75% weathered	31232
kerosene: unweathered	31229
5,000µg/mL in methylene chloride, 1mL/ampul	
diesel fuel #2: 25% weathered	31234
diesel fuel #2: 50% weathered	31235
diesel fuel #2: 75% weathered	31236
diesel fuel #2: unweathered	31233
5,000µg/mL in methylene chloride, 1mL/ampul	
mineral spirits: 25% weathered	31226
mineral spirits: 50% weathered	31227
mineral spirits: 75% weathered	31228
mineral spirits: unweathered	31225
50,000µg/mL in methylene chloride, 1mL/ampul unless otherwise noted	
mineral spirits: unweathered	31260
mineral spirits: unweathered (5mL)	31261

Weathered Petrochemical Standards

cont'd

Weathered Gasoline Kit

30096: Unleaded Gasoline Standard
30097: Unleaded Gas Standard: 25% Weathered
30098: Unleaded Gas Standard: 50% Weathered
30099: Unleaded Gas Standard: 75% Weathered

kit

Contains 1mL each of these mixtures.

cat. # 30100 (kit)

Weathered Gasoline Kit #2

30096: Unleaded Gasoline Standard
30097: Unleaded Gas Standard: 25% Weathered
30098: Unleaded Gas Standard: 50% Weathered
30099: Unleaded Gas Standard: 75% Weathered
30436: Unleaded Gas Standard: 99% Weathered

kit

Contains 1mL each of these mixtures.

cat. # 30437 (kit)

Weathered Kerosene Kit

31229: Kerosene Standard
31230: Kerosene Standard: 25% Weathered
31231: Kerosene Standard: 50% Weathered
31232: Kerosene Standard: 75% Weathered

kit

Contains 1mL each of these mixtures.

cat. # 31238 (kit)

Weathered Diesel Fuel #2 Kit

31233: Diesel Fuel #2 Standard
31234: Diesel Fuel #2 Standard: 25% Weathered
31235: Diesel Fuel #2 Standard: 50% Weathered
31236: Diesel Fuel #2 Standard: 75% Weathered

kit

Contains 1mL each of these mixtures.

cat. # 31239 (kit)

Weathered Mineral Spirits Kit

31225: Mineral Spirits Standard
31226: Mineral Spirits Standard: 25% Weathered
31227: Mineral Spirits Standard: 50% Weathered
31228: Mineral Spirits Standard: 75% Weathered

kit

Contains 1mL each of these mixtures.

cat. # 31237 (kit)

please note

We can custom prepare weathered accelerants for fire debris analysis.

Please complete the custom reference material request form on **page 427**.

We'll be glad to work with you!