

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.

Concentration is µg/mL. Volume is 1mL/ampul unless otherwise noted.

Compound	Solvent	Conc.	cat.# (ea.)	price
unleaded gasoline: unweathered	PTM	5,000	30096	
unleaded gasoline: 25% weathered	PTM	5,000	30097	
unleaded gasoline: 50% weathered	PTM	5,000	30098	
unleaded gasoline: 75% weathered	PTM	5,000	30099	
unleaded gasoline: 99% weathered	PTM	5,000	30436	

Compound	Solvent	Conc.	cat.# (ea.)	price
kerosene: unweathered	D	5,000	31229	
kerosene: 25% weathered	D	5,000	31230	
kerosene: 50% weathered	D	5,000	31231	
kerosene: 75% weathered	D	5,000	31232	

Compound	Solvent	Conc.	cat.# (ea.)	price
diesel fuel #2: unweathered	D	5,000	31233	
diesel fuel #2: 25% weathered	D	5,000	31234	
diesel fuel #2: 50% weathered	D	5,000	31235	
diesel fuel #2: 75% weathered	D	5,000	31236	

Compound	Solvent	Conc.	cat.# (ea.)	price
mineral spirits: unweathered	D	5,000	31225	
mineral spirits: unweathered	D	50,000	31260	
mineral spirits: unweathered (5mL)	D	50,000	31261	
mineral spirits: 25% weathered	D	5,000	31226	
mineral spirits: 50% weathered	D	5,000	31227	
mineral spirits: 75% weathered	D	5,000	31228	

D = methylene chloride
PTM = P&T methanol

Weathered Gasoline Kit

Contains 1mL each of these mixtures.
30096: Unleaded Gasoline Standard
30097: Unleaded Gas Standard: 25% Weathered
30098: Unleaded Gas Standard: 50% Weathered
30099: Unleaded Gas Standard: 75% Weathered
cat. # 30100 (kit)



Quantity discounts not available.

Weathered Gasoline Kit #2

Contains 1mL each of these mixtures.
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
cat. # 30437 (kit)



Quantity discounts not available.

Weathered Petrochemical Standards cont'd

Weathered Kerosene Kit

Contains 1mL each of these mixtures.
31229: Kerosene Standard
31230: Kerosene Standard: 25% Weathered
31231: Kerosene Standard: 50% Weathered
31232: Kerosene Standard: 75% Weathered
cat. # 31238 (kit)



Quantity discounts not available.

Weathered Diesel Fuel #2 Kit

Contains 1mL each of these mixtures.
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
cat. # 31239 (kit)



Quantity discounts not available.

Weathered Mineral Spirits Kit

Contains 1mL each of these mixtures.
31225: Mineral Spirits Standard
31226: Mineral Spirits Standard: 25% Weathered
31227: Mineral Spirits Standard: 50% Weathered
31228: Mineral Spirits Standard: 75% Weathered
cat. # 31237 (kit)



Quantity discounts not available.

ASTM E1387 and E1618 (Fire Debris Analysis)

These materials also can be used for underground storage tank monitoring.

E1387 Column Resolution Check Mix (13 components)

<i>n</i> -hexane (C6)	<i>n</i> -eicosane (C20)
<i>n</i> -octane (C8)	2-ethyltoluene
<i>n</i> -decane (C10)	3-ethyltoluene
<i>n</i> -dodecane (C12)	toluene
<i>n</i> -tetradecane (C14)	1,2,4-trimethylbenzene
<i>n</i> -hexadecane (C16)	<i>p</i> -xylene
<i>n</i> -octadecane (C18)	

2,000µg/mL each in methylene chloride, 1mL/ampul
cat. # 31224 (ea.)

E1618 Test Mix (13 components)

Components in this mix (0.5µL/mL or 0.05% volume/volume each) are at 10X the concentration of the final test solution specified in ASTM 1618 and ASTM 1387.

<i>n</i> -hexane (C6)	<i>n</i> -eicosane (C20)
<i>n</i> -octane (C8)	2-ethyltoluene
<i>n</i> -decane (C10)	3-ethyltoluene
<i>n</i> -dodecane (C12)	toluene
<i>n</i> -tetradecane (C14)	1,2,4-trimethylbenzene
<i>n</i> -hexadecane (C16)	<i>p</i> -xylene
<i>n</i> -octadecane (C18)	

0.05% volume/volume each in methylene chloride, 1mL/ampul
cat. # 31613 (ea.)

No data pack available.

please note

We can custom prepare weathered accelerants for fire debris analysis.

Please complete the custom reference material request form at www.restek.com/solutions.

We'll be glad to work with you!