

FAST FACTS

At-a-Glance
Product
Information
from Restek



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For *complete lists* of standards, columns and current prices, visit our website at:

www.restekcorp.com

Components of ASTM D2887-01 Hydrocarbon Mixtures

<i>n</i> -pentane (C5)	<i>n</i> -hexadecane (C16)
<i>n</i> -hexane (C6)	<i>n</i> -heptadecane (C17)
<i>n</i> -heptane (C7)	<i>n</i> -octadecane (C18)
<i>n</i> -octane (C8)	<i>n</i> -eicosane (C20)
<i>n</i> -nonane (C9)	<i>n</i> -tetracosane (C24)
<i>n</i> -decane (C10)	<i>n</i> -octacosane (C28)
<i>n</i> -undecane (C11)	<i>n</i> -dotriacontane (C32)
<i>n</i> -dodecane (C12)	<i>n</i> -hexatriacontane (C36)
<i>n</i> -tetradecane (C14)	<i>n</i> -tetracosane (C40)
<i>n</i> -pentadecane (C15)	<i>n</i> -tetratetracontane (C44)

Steps 12

Separating Restek from
the rest through
12 critical steps.

1. Review method requirements
2. Verify compatibility and stability
3. Test starting materials
4. Certify balance and weights
5. Deactivate glassware and ampuls
6. Prepare two independent lots
7. Assay to assure quality
8. Assign real-time expiration date
9. Use customer friendly packaging (includes extra vial and label)
10. Include Restek documentation
11. Comply with ISO 9001 registration
12. Offer custom reference materials program



Calibration Standards for ASTM Method D2887-01, Boiling Range Distribution of Petroleum Products

Lit. Cat. #59383A

- ✓ Meet requirements for the 2001 revision of ASTM 2887-01.
- ✓ Pentane added.
- ✓ Equal weight/weight concentrations of all components.
- ✓ Designed for both calibration and resolution tests—
one sample for both test criteria.



American Society for Testing and Materials (ASTM International) Method D2887-01, *Standard Test Method for Boiling Range Distribution of Petroleum Fractions by Gas Chromatography*, describes the determination of the boiling range distribution of petroleum products. This test method is applicable to petroleum products and fractions having a final boiling point of 538°C (1000°F) or lower; and is limited to samples having a boiling range greater than 55°C (100°F) and having a vapor pressure sufficiently low to permit sampling at ambient temperature.

To facilitate the ASTM International guideline and help petroleum analytical laboratories in determining petroleum product boiling range applications, Restek has introduced two chemical standards designed specifically for ASTM Method D2887-01. The first mixture is prepared at 1% w/w in carbon disulfide for convenient laboratory use. This standard may only be shipped by ground shipment within the US. The second mixture is a blend of neat hydrocarbons to allow overnight shipments in the US and shipments to our international customers.

This method is not to be used for the analysis of gasoline samples or gasoline range petroleum products. These types of samples must be analyzed by ASTM Method D3710-95. Restek offers a calibration mixture for ASTM D-3710-95. (cat.# 31223, single ampul, and cat.# 31323, 10-pack with data pack)

In addition, Restek offers chemical standards for other ASTM Methods: D6352-98 (Polywax®); E1387-95 and E1618-97 (fire debris); and D-4059-96 (PCBs in transformer oil). Restek also makes custom chemical standard solutions for a wide variety of ASTM Methods — see the reverse side of this *Fast Facts* for information.

ASTM D2887-01 Hydrocarbon Mixture in Carbon Disulfide

1% w/w each component in carbon disulfide, 1mL/ampul

	cat.#/Each	5-pk.	10-pk.
	31674	31674-510	—
w/data pack	31674-500	31674-520	31774

Solvent-Free ASTM D2887-01 Hydrocarbon Mixture

5% w/w each component*, 1g/5mL ampul

	cat.#/Each	5-pk.	10-pk.
	31675	31675-510	—
w/data pack	31675-500	31675-520	31775

*This mixture may be diluted by the analyst with 4g carbon disulfide to achieve a concentration of 1% w/w.

Capillary GC Columns for ASTM D-2887-01

Rtx®-2887 10m x 0.53mm x 2.65µm (cat.# 10199)
MXT®-2887 10m x 0.53mm x 2.65µm (cat.# 70199)



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At-a-Glance
Product
Information
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Custom Reference Material Request Form

Domestic Customers

FAX#: 814-355-2895
email: standards@restekcorp.com

International Customers
Please Contact Your Local Restek Representative.

Name: _____

Date: _____

Company/Location: _____

Phone #: _____

FAX #: _____

E-mail: _____

Take these eight steps to create the right solution:

1. Mixture Description: _____

2. Solvent: _____

3. No. of Components: _____

4. Volume (select): 1mL, 2mL, 5mL, 10mL, or other mL _____

5. Quantity: No. of units _____

6. Select testing and documentation that best meets your requirements:

- Gravimetric Documentation: Lot Sheet with balance printout attached.
- Qualitative Documentation: Certificate of Composition, Chromatogram, and Gravimetric Documentation.
- Quantitative Documentation: Certificate of Analysis and Data Pack.

7. Compound(s): (list or attach sheet)

Concentration:

1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		

8. Concentration Units

- mg/mL µg/mL ng/mL vol./vol.% wt./wt.% other _____

ALL mixtures are produced in accordance with our ISO 9001 registration.
Analytical balances are calibrated daily at seven mass levels using NIST-traceable weights.
ALL raw materials used are a minimum of 97% pure unless otherwise specified.

on-line: <http://www.restekcorp.com/stdreq.htm>



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