

Chevron Phillips Chemical Company LP
10001 Six Pines Drive
The Woodlands, TX 77380
800-858-4327
Technical Service: 832-813-4862

Chevron Phillips Chemicals International N.V.
Brusselsesteenweg 355
B-3090 Overijse, Belgium
+32 (0) 2 689 12 11

Chevron Phillips Chemicals Asia PTE Ltd.
5 Temasek Boulevard
05-01 Suntec Tower Five
Singapore 038985
+65 6337 9700

Diesel Secondary Reference Fuel U-18

Property	Round Robin Results ⁽¹⁾	Test Method
Specific Gravity at 60/60 °F ⁽⁴⁾	0.7848	ASTM D 4052
API Gravity ⁽²⁾	48.8	ASTM D 287, 1298 or 4052
Flash Point, °F	81	ASTM D 93
Sulfur, ppm ⁽³⁾	5	ASTM D 2622, 4294, 5453, 7039 or CGSB equivalents.
Viscosity at 40 °C, cSt	1.239	ASTM D 445
Aniline Point, °C	65.27	ASTM D 611
Distillation Range at 760 mmHg, °F		ASTM D 86
Initial Boiling Point	318	
10%	336	
50%	358	
90%	438	
End Point	542	
Cetane Number	20.7	ASTM D 613
Cetane Index ⁽⁴⁾	42.3	ASTM D 976
Hydrocarbon Type, vol %		ASTM D 1319
Aromatics	20.6	
Olefins	1.3	
Saturates	78.2	

⁽¹⁾ This product is manufactured and packaged by Chevron Phillips Chemical Company, LP. The data presented herein is from the ASTM Subcommittee D02.01 Section E on Reference Materials and is based on round-robin certification tests performed by the Diesel National Exchange Group.

⁽²⁾ Acceptable ASTM methods include D 287, D 1298 and D 4052

⁽³⁾ Acceptable ASTM methods include D 2622, D 4294, D 5453, D 7039 and CGSB equivalents.

⁽⁴⁾ Calculated value.

Product Number: 1024281

Revised: 12/15/09

Notice: Before using this product, the user is advised and cautioned to make its own determination and assessment of the safety and suitability of the product for the specific use in question and is further advised against relying on the information contained herein as it may relate to any specific use or application. It is the ultimate responsibility of the user to ensure that the product is suited and the information is applicable to the user's specific application. Chevron Phillips Chemical Company LP does not make, and expressly disclaims, all warranties, including warranties of merchantability or fitness for a particular purpose, regardless of whether oral or written, express or implied, or allegedly arising from any usage of any trade or from any course of dealing in connection with the use of the information contained herein or the product itself. The user expressly assumes all risk and liability, whether based in contract, or otherwise, in connection with the use of the information contained herein or the product itself. Further, information contained herein is given without reference to any intellectual property issues, as well as federal, state or local laws which may be encountered in the use thereof. Such questions should be investigated by the user.