



D-15  
 DATE: January 28, 2010  
 REVISION: 8

**PRODUCT SPECIFICATION**

**BUTANE**

<u>SPECIFICATION</u>	<u>MIN</u>	<u>MAX</u>	<u>ASTM TEST METHOD</u>
Vapour pressure @ 37.8°C, kPa		483	D2598
Volatile residue: 95% evaporated point, °C or Pentane and heavier, vol%		2.2 2	D1837
Residual matter: Residue after evaporation, mL/100 mL Oil stain, mL	0.3	0.05	D2158
Hydrogen sulphide	pass		D2420
Sulphur, mg/kg <sup>(1)</sup>		140	D2784
Corrosion (copper strip), 1h at 37.8°C		No. 1	D1838
Dryness, free water		Nil	
Odorization with ethyl mercaptan, g/m <sup>3</sup> <sup>(2)</sup>	14		
Olefins content, vol%		Note 3	D2163

Note <sup>(1)</sup> The sulphur content shall include the contribution of the odorant. The odorant contribution may be calculated as per the addition rate. The increase in sulphur from the odorant is 12.4 mg/kg at the minimum specified level.

Note <sup>(2)</sup> Butane distributed for fuel purposes shall be odorized. Odorant may be waived where it could be detrimental to subsequent use or ineffective as a warning aid.

Note (3) Some customers have a limit on olefins content.

**This product meets ASTM D1835**