



Türkiye Petrol Rafinerileri A.Ş.

**PRODUCT SPECIFICATION
AUTOMOTIVE FUELS LPG**

Dok. No : TPR.YPG.PSP.0080
Yayın Tarihi : 1.06.2004
Rev. No : 9
Rev.Tarihi : 23.10.2019
Sayfa No : 1/1

PRODUCT NAME : AUTOMOTIVE FUELS - LPG

TUPRAS CODE NO : 80

PROPERTY	UNIT	GUARANTEE	LIMIT	TEST METHOD
Motor octane number, MON		89.0	Min	EN 589 Annex B
Total dienes content (Including 1,3 Butadiene)	% mole	0.5	Max	EN 27941
Hydrogen sulphide		negative		EN ISO 8819
Total sulfur content (After odorization)	mg/kg	50	Max	ASTM D3246 ASTM D6667
Copper strip corrosion (1 h at 40°C)	rating	Class 1		EN ISO 6251
Evaporation residue	mg/kg	60	Max	EN 15470 EN 15471
Vapour pressure, gauge at 40°C	kPa	1550	Max	EN ISO 4256 EN ISO 8973
Vapour pressure, gauge, min 150 kPa at a temperature for winter grade (1)	°C	- 5	Max	EN ISO 8973 and EN 589 Annex C
Water content at 0°C		Pass		EN 15469
Odour	Distinctive and unpleasant at 20% Lower flammability limit			EN 589 Annex A

(1) Winter grade: 1 November - 31 March (\pm 15 days)

If density required, EN ISO 3993 or ISO 8973 is recommended.

This product meets TS EN 589 Automotive Fuels-LPG specification.