

QC 001-3WP 	Title: Mogas / Unleaded Petrol Specifications	Pages: 1
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	Approved by: Director Operations Signature.....	Issue Date : July 2018

MOGAS SPECIFICATIONS

Property	Units	Method	Min specs	Max specs
Appearance		visual	Bright and clear	Bright and clear
Colour		visual	Yellow	Yellow
Density at 20deg C	Kg/L	D 1298	0.7100	0.7600
Octane Number, Research (RON)		D2699	93.0	
Octane Number, Motor(MON)		D2700	83.0	
Lead Content	gPb/L	D3348		0.008
Existent Gum	mg/100ml	D381		4
Induction period	minutes	D525	360	
Distillation I.B.P 10% (v/v) evaporated 50%(v/v) evaporated 90% (v/v) evaporated % evaporated at 70deg C F.B.P Residue	Deg C Deg C Deg C Deg C % vol/vol deg C % vol/vol	D 86	38 typical 77 Report	Report 65 115 185 Report 215 2.0
RVP at 37.8 deg C	kPa	D323	45	75
Sulphur content	% mass	D4294/D1266		0.05
Copper strip corrosion(3hrs @50deg C)		D130		1.0
Mercaptan sulphur	% mass	D3227		0.0015
Total acidity	mgKOH/g	D664		0.03
Benzene	% vol	D3606		5.0
Olefins	% vol	D1319		18.0
Oxygenates-Methanol	% vol	D4815	NIL	<0.2
Oxygenates-Ethanol	% vol	D4815	NIL	<0.2
Oxygenates-Iso Propyl Alcohol	% vol	D4815	NIL	<0.2
Oxygenates-Iso Butyl Alcohol	% vol	D4815	NIL	<0.2
Oxygenates-Tert Butyl Alcohol	% vol	D4815	NIL	<0.2
Oxygenates-Ethers (MTBE)	% vol	D4815	NIL	<0.2
Total Oxygen Content	% mass	D4815	NIL	<0.2
Aromatics	% vol	D1319		40
Doctor test		D4952	Negative	Negative
Water Tolerance	% vol	SANS 1598:2004 Edition 1.5	Pass	
Water Content	% vol	D6304		<0.05