



Terminal product specification: Superplus 98 version 1-9-2016

Property		Unit	Minimum	Maximum	Test Method
Research Octane Number RON			98,0		EN ISO 5164
Motor Octane Number MON			88,0		EN ISO 5163
Lead content		mg/l		5,0	EN237
Density at 15 °C		kg/m3	720,0	775,0	EN ISO 3675
Sulfur content		mg/kg		10,0	EN ISO 20846
Manganese content		mg/l		2,0	EN 16315 / EN 16136
Oxidation stability		min.	360		EN ISO 7536
Existent gum content (Solvent washed)		mg/100ml		5	EN ISO 6246
Copper strip corrosion (3 hrs. at 50 °C)		Rating	Class 1		EN ISO 2160
Appearance			Clear and bright		Visual inspection
Hydrocarbon type content	Olefins	% v/v		18,0	EN 15417
	Aromatics	% v/v		35,0	
Benzene content		% v/v		1,00	EN 238
Oxygen content		% m/m		2,7	EN 1601
Oxygenates content	Methanol	% v/v		3,0	EN 1601
	Ethanol	% v/v		5,0	
	iso-propyl alcohol iso-butyl alcohol tert-butyl alcohol ethers (5 or more C atoms) other oxygenates		}	Volume blending restricted to 2,7% (m/m) maximum oxygen content	
Vapour pressure	Summer*	kPa	45,0	60,0	EN 13016-1
	Winter**	kPa	65,0	95,0	
Vapour Lock Index	April + October	index		1200	
Distillation % evaporated at 70 °C E70 % evaporated at 70 °C E70 % evaporated at 100 °C E100 % evaporated at 150 °C E150 Final Boiling Point FBP Distillation residue	Summer*	% v/v	20,0	48,0	EN ISO 3405
	Winter**	% v/v	22,0	50,0	
		% v/v	46,0	71,0	
		% v/v	75,0		
		° C		210	
		% v/v		2	

* Summer: May 1st - September 30th

** Winter: October 1st - April 30th

More stringent seasonal specifications for RVP will be applied and are available at request