

## Proposal for Corrigendum to Revision 4, 07 series of amendments to Regulation No. 83 (ECE/TRANS/WP.29/GRPE/2014/2)

Modify the table 'Type: Petrol (E10)' in point 1.1 of the Annex 10, to read:

Parameter	Unit	Limits <sup>(1)</sup>		Test method
		Minimum	Maximum	
Research octane number, RON <sup>(3)</sup>		95.0	98.0	EN ISO 5164
Motor octane number, MON <sup>(3)</sup>		85.0	89.0	EN ISO 5163
Density at 15°C	kg/m <sup>3</sup>	743.0	756.0	EN ISO 12185
Vapour pressure (DVPE)	kPa	56.0	60.0	EN 13016-1
Water content	% m/m	max 0.05. Appearance at -7°C: Clear & Bright		EN 12937
Distillation:				
– evaporated at 70°C	% v/v	34.0	46.0	EN ISO 3405
– evaporated at 100°C	% v/v	54.0	62.0	EN ISO 3405
– evaporated at 150°C	% v/v	86.0	94.0	EN ISO 3405
– final boiling point	°C	170	195	EN ISO 3405
Residue	% v/v	—	2.0	EN ISO 3405
Hydrocarbon analysis:				
– olefins	% v/v	6.0	13.0	EN 22854
– aromatics	% v/v	25.0	32.0	EN 22854
– benzene	% v/v	-	1.00	EN 22854 EN 238
– saturates	% v/v	report		EN 22854
Carbon/hydrogen ratio		report		
Carbon/oxygen ratio		report		
Induction Period <sup>(4)</sup>	minutes	480	—	EN ISO 7536
Oxygen content <sup>(5)</sup>	% m/m	3.3	3.7	EN 22854
Solvent washed gum (Existent gum content)	mg/100ml	—	4	EN ISO 6246
Sulphur content <sup>(6)</sup>	mg/kg	—	10	EN ISO 20846 EN ISO 20884
Copper corrosion 3hrs, 50°C		—	class 1	EN ISO 2160
Lead content	mg/l	—	5	EN 237
Phosphorus content <sup>(7)</sup>	mg/l	—	1.3	ASTM D 3231
Ethanol <sup>(5)</sup>	% v/v	9.0	10.0	EN 22854

- (1) The values quoted in the specifications are 'true values'. In establishment of their limit values the terms of ISO 4259 Petroleum products - Determination and application of precision data in relation to methods of test have been applied and in fixing a minimum value, a minimum difference of 2R above zero has been taken into account; in fixing a maximum and minimum value, the minimum difference is 4R (R = reproducibility).  
Notwithstanding this measure, which is necessary for technical reasons, the manufacturer of fuels shall nevertheless aim at a zero value where the stipulated maximum value is 2R and at the mean value in the case of quotations of maximum and minimum limits. Should it be necessary to clarify whether a fuel meets the requirements of the specifications, the terms of ISO 4259 shall be applied.
- (3) A correction factor of 0,2 for MON and RON shall be subtracted for the calculation of the final result in accordance with EN 228:2008.
- (4) The fuel may contain oxidation inhibitors and metal deactivators normally used to stabilise refinery gasoline streams, but detergent/dispersive additives and solvent oils shall not be added.
- (5) Ethanol is the only oxygenate that shall be intentionally added to the reference fuel. The Ethanol used shall conform to EN 15376.
- (6) The actual sulphur content of the fuel used for the Type 1 test shall be reported.
- (7) There shall be no intentional addition of compounds containing phosphorus, iron, manganese, or lead to this reference fuel.