

Appendix I

Specification of Gasoline Sold In Malaysia as Prepared by SIRIM

MS 118: PART 2: 1993

1	2	3	4	
Property	Limit	Value	Test Method	
			MS	Technically identical to
Research Octane number (RON)	min.	97.0	-	ASTM D2699
Appearance		Clear and free from suspended material	Visual	
Colour		Yellow		
Temperature for 10% volume evaporation, °C	max.	74	)	)
Temperature for 50% volume evaporation, °C	min.	75	)	)
Temperature for 90% volume evaporation, °C	max.	115	)	)
Initial boiling point, °C	max.	180	)	)
Final boiling point, °C	max.	40	) 563	) ASTM D86
Residue, % v/v	max.	215	)	)
		2	)	)

Appendix I (Continued)

Specification of Gasoline Sold In Malaysia as Prepared by SIRIM

1	2	3	4	
Property	Limit	Value	Test Method	
			MS	Technically identical to
Copper corrosion (50°C for 3 h)	max	Class 1	787	ASTM D130
Reid vapour pressure at 37.5°C, Kpa	max,	70	538	ASTM D323
Sulphur content, % m/m	max.	0.15	789	* ASTM D1266/D3120
Existent gum, mg/100ml	max.	4	788	ASTM D381
Oxidation stability, minutes	min.	240	786	ASTM D525
Lead content, g/l	max.	0.013	1254	ASTM D3237

The colour specified shall be as regulated by the Ministry of Domestic Trade and Consumer Affairs.

* ASTM D1266 shall be the reference method in case of dispute.

Amendment:

To add an additional octane number to the above table

i) Research octane number (RON)92.0 (min)

ii) ColourRed

All other requirements in Table 1 also applies to RON 92

Appendix II

Equation	Adjusted R ²	F value	Constant, α	Elasticities							
				Income	t-value	Own Price	t-value	Cross	t-value	Vehicle stock	t-value
Case I											
1(a)	0.977	113.336	-0.745	0.741	2.066	-0.32	0.276	-	-	0.283	0.872
1(b)	0.990	277.298	-0.242	0.537	4.32	-0.363	2.148	-	-	0.827	4.998
Case II											
2(a) - selection based on 1(a) or 1(b)											
2(b)	0.952	80.739	8.919e ⁻⁰²	0.745	2.846	-0.245	-0.935	-	-	-	-
Case III											
3(a)	0.984	163.76	-0.157	0.754	4.587	-0.228	-1.052	-	-	0.021	0.101
3(b)	0.987	294.159	-0.140	0.76	5.349	-0.243	-1.711	-	-	-	-
3(c)	0.991	176.413	-0.158	0.743	4.878	-0.693	-0.946	0.434	0.627	-	-
3(d)	0.982	108.986	-0.227	0.717	3.906	-0.747	-0.908	0.082	0.343	0.544	0.658
Case IV											
4(a)	0.901	25.233	-4.64e-02	-0.981	-2.506	0.642	1.189	-	-	0.666	1.214
4(b)	0.893	34.401	0.265	-0.807	-2.133	0.158	0.418	-	-	-	-
4(c)	0.891	22.693	0.252	-0.667	-1.620	-1.543	-0.824	1.839	0.928	-	-
4(d)	0.890	17.221	-1.8e-02	-0.849	-1.882	-0.76	-0.374	1.452	0.718	0.584	0.993