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WARTA KERAJAAN PERSEKUTUAN

*FEDERAL GOVERNMENT
GAZETTE*

PERATURAN-PERATURAN KUALITI ALAM SEKELILING
(KAWALAN KANDUNGAN PETROL DAN DIESEL)
(PINDAAN) 2021

*ENVIRONMENTAL QUALITY
(CONTROL OF PETROL AND DIESEL PROPERTIES)
(AMENDMENT) REGULATIONS 2021*

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AKTA KUALITI ALAM SEKELILING 1974

PERATURAN-PERATURAN KUALITI ALAM SEKELILING
(KAWALAN KANDUNGAN PETROL DAN DIESEL) (PINDAAN) 2021

PADA menjalankan kuasa yang diberikan oleh seksyen 51 Akta Kualiti Alam Sekeliling 1974 [*Akta 127*], Menteri, selepas berunding dengan Majlis Kualiti Alam Sekeliling, membuat peraturan-peraturan yang berikut:

Nama

1. Peraturan-peraturan ini bolehlah dinamakan **Peraturan-Peraturan Kualiti Alam Sekeliling (Kawalan Kandungan Petrol dan Diesel) (Pindaan) 2021**.

Penggantian Jadual Pertama

2. Peraturan-Peraturan Kualiti Alam Sekeliling (Kawalan Kandungan Petrol dan Diesel) 2007 [*P.U. (A) 145/2007*], yang disebut “Peraturan-Peraturan ibu” dalam Peraturan-Peraturan ini, dipinda dengan menggantikan Jadual Pertama dengan jadual yang berikut:

“JADUAL PERTAMA

[Perenggan 4(1)(a)]

Piawaian Petrol Malaysia

(1) KANDUNGAN	(2) EURO 5		(3) KAEDAH UJIAN	(4) TARIKH KUAT KUASA
	MINIMUM	MAKSIMUM		
Jumlah sulfur	-	10 mg/kg	ASTM D5453/ D4294/ D2622	1 September 2025
Plumbum	-	0.005 g/l	ASTM D3237/ D5059	1 September 2025

(1) KANDUNGAN	(2) EURO 5		(3) KAEDAH UJIAN	(4) TARIKH KUAT KUASA
	MINIMUM	MAKSIMUM		
Penyulingan				
- peratusan tersejat pada 100°C	46% isipadu/ isipadu	-	ISO 3405/ ASTM D86	1 September 2026
- peratusan tersejat pada 150°C	75% isipadu/ isipadu	-		
Tekanan Wap Reid pada 37.8°C	-	60 kPa	ASTM D323/ D5482	1 September 2026
Kandungan oksigen	-	3.7% jisim	ASTM D6839	1 September 2026
Pengoksigenan				
- Eter yang mengandungi lima atau lebih atom karbon satu molekul	-	22% isipadu	ASTM D6839	1 September 2026
Benzena	-	1.0% isipadu	ASTM D6839	1 September 2027
Olefin	-	21% isipadu	ASTM D6839	1 September 2027
Aromatik	-	42% isipadu	ASTM D6839	1 September 2027

Penggantian Jadual Kedua

3. Peraturan-Peraturan ini dipinda dengan menggantikan Jadual Kedua dengan jadual yang berikut:

“JADUAL KEDUA
[Perenggan 4(1)(b)]

Piawaian Diesel Malaysia

(1) KANDUNGAN	(2) EURO 5		(3) KAEDAH UJIAN	(4) TARIKH KUAT KUASA
	MINIMUM	MAKSIMUM		
Jumlah sulfur	-	10 mg/kg	ASTM D5453/ D4294/ D2622	1 April 2021
Nombor setana atau Indeks setana	49	-	ASTM D6890	1 April 2021
	49	-	ASTM D4737	
Ketumpatan pada 15°C	-	845 kg/m ³	ASTM D4052	1 April 2022
Penyulingan pada 95%	-	360°C	ASTM D86	1 April 2022
Hidrokarbon aromatik polisiklik	-	8% jisim	EN 12916	1 April 2023

Dibuat 25 Mac 2021

[AS(S) 91/110/919/014 sk 04; PN(PU2)280/XIX]

DATO' SRI TUAN IBRAHIM BIN TUAN MAN
Menteri Alam Sekitar dan Air

ENVIRONMENTAL QUALITY ACT 1974

ENVIRONMENTAL QUALITY (CONTROL OF PETROL AND DIESEL PROPERTIES)
(AMENDMENT) REGULATIONS 2021

IN exercise of the powers conferred by section 51 of the Environmental Quality Act 1974 [Act 127], the Minister, after consultation with the Environmental Quality Council, makes the following regulations:

Citation

1. These regulations may be cited as the **Environmental Quality (Control of Petrol and Diesel Properties) (Amendment) Regulations 2021**.

Substitution of First Schedule

2. The Environmental Quality (Control of Petrol and Diesel Properties) Regulations 2007 [*P.U. (A) 145/2007*], which are referred to as the “principal Regulations” in these Regulations, are amended by substituting for the First Schedule the following schedule:

“FIRST SCHEDULE

[Paragraph 4(1)(a)]

Malaysian Petrol Standards

(1) PROPERTIES	(2) EURO 5		(3) TEST METHOD	(4) COMMENCEMENT DATE
	MINIMUM	MAXIMUM		
Total sulphur	-	10 mg/kg	ASTM D5453/ D4294/ D2622	1 September 2025
Lead	-	0.005 g/l	ASTM D3237/ D5059	1 September 2025

(1) PROPERTIES	(2) EURO 5		(3) TEST METHOD	(4) COMMENCEMENT DATE
	MINIMUM	MAXIMUM		
Distillation - percentage evaporated at 100°C - percentage evaporated at 150°C	46% volume/ volume 75% volume/ volume	- -	ISO 3405/ ASTM D86	1 September 2026
Reid Vapour Pressure at 37.8°C	-	60 kPa	ASTM D323/ D5482	1 September 2026
Oxygen content	-	3.7% mass	ASTM D6839	1 September 2026
Oxygenates - Ethers containing five or more carbon atoms per molecule	-	22% volume	ASTM D6839	1 September 2026
Benzene	-	1.0% volume	ASTM D6839	1 September 2027
Olefins	-	21% volume	ASTM D6839	1 September 2027
Aromatics	-	42 % volume	ASTM D6839	1 September 2027

Substitution of Second Schedule

3. The principal Regulations are amended by substituting for the Second Schedule the following schedule:

“SECOND SCHEDULE

[Paragraph 4(1)(b)]

Malaysian Diesel Standards

(1) PROPERTIES	(2) EURO 5		(3) TEST METHOD	(4) COMMENCEMENT DATE
	MINIMUM	MAXIMUM		
Total sulphur	-	10 mg/kg	ASTM D5453/ D4294/ D2622	1 April 2021
Cetane number or Cetane index	49 49	- -	ASTM D6890 ASTM D4737	1 April 2021
Density at 15°C	-	845 kg/m ³	ASTM D4052	1 April 2022
Distillation at 95%	-	360°C	ASTM D86	1 April 2022
Polycyclic aromatic hydrocarbons	-	8% mass	EN 12916	1 April 2023

Made 25 March 2021

[AS(S) 91/110/919/014 sk 04; PN(PU2)280/XIX]

DATO' SRI TUAN IBRAHIM BIN TUAN MAN
Minister of Environment and Water