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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*

DISIARKAN OLEH/  
*PUBLISHED BY*  
JABATAN PEGUAM NEGARA/  
*ATTORNEY GENERAL'S CHAMBERS*

## 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 ibu 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  ASTM D4737	1 April 2021
Ketumpatan pada 15°C	-	845 kg/m <sup>3</sup>	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 <sup>3</sup>	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*