

Technical Requirement for Environmental Products

The Certificable Technical Requirement for Environmental Labelling Products

Low Pollution Motorcycle

HJBZ 38—1999

1 Scope

This technical requirement specifies classification, definition, basic requirements, technical contents and test method of environmental labelling for Low pollution motorcycle.

This technical requirement shall apply to two-wheeled and three-wheeled motor cycle which is equipped with four-cycle or two-cycle petrol engine and the maximum total mass is $\leq 400\text{kg}$, engine capacity is greater than 50ml, maximum design speed is $\geq 50\text{km/h}$.

2 Standards cited

Provisions in the following standards are cited in this technical requirement, and therefore form the provisions in this standard. They have the same effectiveness as the technical requirement itself.

GB/T 4569—1996 Measurement of noise emitted by motorcycles and mopeds

GB 14023—1992 Limits and methods of measurement of radio interference characteristics of vehicles, motor boats and spark-ignited engine-driven devices

GB/T 14622—1993 Limits and measurement methods for exhaust emissions from motorcycles under running mode

In case of the criteria above are revised, the latest version should be applied.

3 Definition

3.1 Modular vehicle

In this technical requirement, it particularly refers to new-fangled sample car with new introduced engine.

3.2 New-produced vehicle

It refers to motorcycles that are eligibly warehoused in the manufactory or those left factory.

3.3 Reference mass

It refers to entire mass of motorcycle plusing 75kg.

4 Basic requirements

4.1 Companies applied for certification should provide demonstrations on eligibility of product test results.

4.2 Pollutant emission of the company should be obliged to conform with pollutant emission standards nationally or locally.

5 Technical contents

5.1 Exhaust of motorcycle should accord with the exhaust pollutant standard in table 1 (determined by method of operating condition). And the product should still meet the requirement of the standard after a reliability test of 6000 kilometers.

5.2 Noise of product should conform with requirement of table 2.

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Table 1

Category	Reference mass	HC+NO _x	CO
Modular vehicle	R<100	1.75	3.25
	100≤R≤300	1.75+ 0.55 (R-100) / 200	3.25+ 9.75(R-100) / 200
	R>300	2.3	13
	R<100	2.0	3.5
New-produced vehicle	100	2.0	3.5
	100≤R≤300	2.0+ 0.30 (R-100) / 200	3.5+ 9.50 (R-100) / 200
	R>300	2.3	13

Table 2

Type	Noise of motorcycle being accelerated (dB)	Discharge capacity (ml)
New-produced vehicle	80	50—100
	81	100—250
	82	>250

5.3 Braking friction plate and exhaust muffler pad of the products should be made of asbestos-free material.

5.4 Radio influence performance of product should conform with GB 14023—1992.

6 Test

6.1 Test for technical contents in 5.1 should adopt the method specified by GB/T 14622-1993.

6.2 Test for technical contents in 5.2 should adopt the method specified by GB/T 4569-1996.

6.3 Provisions specified in 5.3 of technical contents should be checked by field inspection.

6.4 Test for technical contents in 5.4 should adopt the method specified by GB14023—1992.

Annotations:

This technical requirement has been prepared by Department of science and technology, standards of State Environment Protection Administration.

The State Environment Protection Administration keeps the right of interpretation for this technical requirement.