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STANDARD

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JIS K 2399 : 2001
(JACA)

Road vehicles—Antifogging agent

ICS 43.040.99; 71.100.40

Descriptors : cleaning materials, atmospheric condensation, vehicle windows, road
vehicle components

Reference number : JIS K 2399 : 2001 (E)

Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee, as the result of proposal for revision of Japanese Industrial Standard submitted by the Japan Autochemical Industrial Association (JACA) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law. Consequently **JIS K 2399 : 1987** is replaced with this Standard.

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Technical Committee on Consumer Life
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In the event of any doubts arising as to the contents,
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Road vehicles—Antifogging agent

Introduction For this revision of the standard for Road vehicles—Antifogging agent, the revision is carried out by completely reviewing the whole. Washing property, though it constitutes a secondary ability of antifogging agents, since the nature of standard stain in washing property test is unavoidably dispersive, is excepted from the requirements in this revised text. On the other hand, a method for preparation of an aerosol product sample is stated explicitly.

1 Scope This Japanese Industrial Standard specifies the liquid state antifogging agents to be used for road vehicle window glass (hereafter referred to as “antifogging agents”).

2 Normative references The standards given in Attached Table 1 contain provisions which, through reference in this Standard, constitute provisions of this Standard. The most recent editions of the standards (including amendments) given in Attached Table 1 shall be applied.

3 Quality The quality of antifogging agents, when subjected to the testing method specified in 4, shall be as specified in Table 1.

Table 1 Quality

Item			Specification	Test subclause number
Antifogging property			Not less than 2 sheets out of 3 sheets shall be not less than twice in repeating times.	4.6
Clear visibility			To be visible clearly through the film.	4.7
pH value (50 vol % water solution)			6.0 to 11.0	4.8
Influence to metal (50±2 °C, 48±2 h)	Change of mass mg/cm ²	Aluminium sheet	Within the range of ±0.30	4.9
		Zinc sheet	Within the range of ±1.50	
	Appearance		To have no change.	
Influence to rubber (50±2 °C, 120±2 h)	Change rate of mass %		Within the range of ±10.0	4.10
	Change in hardness		Within the range of ±5	
	Appearance		To have no change.	
Influence to plastics (50±2 °C, 120±2 h)	Change of mass mg/cm ²	ABS sheet	Within the range of ±3.0	4.11
		Acryl sheet	Within the range of ±2.0	
	Appearance		To have no change.	
Influence to coating film (20±5 °C, 6 h)			To have no change.	4.12