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Acetic acid

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Acetic acid



1 Scope This Japanese Industrial Standard specifies acetic acid for industrial use.

NOTES 1 The acetic acid specified in this Standard is also called glacial acetic acid.

2 The normative references of this Standard are as shown in attached table 1.

2 Quality The quality, when tested in accordance with clause 3, shall satisfy the requirements in table 1.

Table 1 Quality

Item	Quality
Appearance	It shall be a transparent liquid free from foreign matters such as suspended matters or dusts.
Colour (Hazen colour index number)	10 max.
Density (20 °C) g/cm³	1.049 to 1.056
Purity % mass fraction	99.5 min.
Moisture content % mass fraction	0.5 max.
Evaporation residue % mass fraction	0.005 max.
Potassium permanganate test	The standard red colour shall be maintained for at least 30 min.
Formic acid % mass fraction	0.10 max.
Formaldehyde % mass fraction	0.003 max.
Heavy metal % mass fraction	0.001 max.
Sulfate % mass fraction	0.001 max.
Chloride % mass fraction	0.000 2 max.
Iron % mass fraction	0.000 2 max.

3 Test methods

3.1 General matters The general matters of the test shall be in accordance with JIS K 0050.

3.2 Rounding of numerical values It shall be in accordance with JIS Z 8401.

3.3 Sampling method The representative sample shall be taken from one lot regarded to be uniform in quality, according to the method for the relevant type of container specified in the following.