

Name : Ethanol (99.5)

Another name : Ethy alcohol(99.5v/v%)

Grade : EL

Volume : 500mL

Specification number : EL-006-02

Issue number : AFM15

Code number : 51001335

HAYASHI PURE CHEMICAL IND.,LTD.

3-2-12 UCHIHIRANOMACHI, CHUO-KU, OSAKA 540-0037, JAPAN

No.	Item	(unit)	Specification
1	Appearance (Form)	-	Liquid
2	Appearance (Hue)	-	Colorless
3	Assay (by density)	vol%	min. 99.5
4	Solubility in water	-	Colorless Clear
5	Density (20°C)	g/mL	0.789 ~ 0.791
6	Water	%	max. 0.4
7	Residue on evaporation	ppm	max. 2
8	Acid (as CH <sub>3</sub> COOH)	ppm	max. 10
9	Base (as NH <sub>3</sub> )	ppm	max. 1
10	Aldehyde and ketone (as CH <sub>3</sub> COCH <sub>3</sub> )	ppm	max. 10
11	Fusel oil (as C <sub>6</sub> H <sub>12</sub> O)	ppm	max. 40
12	Methanol (CH <sub>3</sub> OH)	%	max. 0.02
13	Benzene and other organic impurities	-	Absorbance: max. 0.11
14	Substances reducing permanganate	-	Not pale than colorimetric standard solution red
15	Substances darkened by H <sub>2</sub> SO <sub>4</sub>	-	Not color the liquid
16	Copper (Cu)	ppm	max. 0.01
17	Iron (Fe)	ppm	max. 0.01
18	Potassium (K)	ppm	max. 0.1
19	Sodium (Na)	ppm	max. 1
20	Nickel (Ni)	ppm	max. 0.01
21	Lead (Pb)	ppm	max. 0.01
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