

# Product Specification

Name : Ethanol (99.5)

Another name : Ethyl alcohol(99.5)

Grade : First Grade

Volume : 18L

Specification number : A-054

Issue number : JJB25

Code number : 05000499

HAYASHI PURE CHEMICAL IND.,LTD.

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

No.	Item	(unit)	Specification	Test Procedure
1	Appearance (Form)	-	Volatile liquid	JIS K8101-1994
2	Appearance (Hue)	-	Colorless transparent	
3	Assay (by density)	vol%	min. 99.5	
4	Density (20°C)	g/mL	0.789 ~ 0.791	
5	Water	%	max. 0.4	
6	Residue on evaporation	%	max. 0.003	
7	Acid (as CH <sub>3</sub> COOH)	%	max. 0.002	
8	Base (as NH <sub>3</sub> )	ppm	max. 1	
9	Heavy metals (as Pb)	ppm	max. 2	
10	Aldehyde and ketone (as CH <sub>3</sub> COCH <sub>3</sub> )	%	max. 0.001	
11	Fusel oil (as C <sub>5</sub> H <sub>12</sub> O)	%	max. 0.004	
12	Methanol (CH <sub>3</sub> OH)	%	max. 0.02	
13	Benzene and other organic impurities	-	Absorbance: min.0.11	
14	Substances reducing permanganate	-	Not lighter than the red of colorimetric standard solution	
15	Substances darkened by H <sub>2</sub> SO <sub>4</sub>	-	The solution is not colored	
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