

## SPECIFICATION

## Ethanol (95)

## Guaranteed Reagent

REQUIREMENT	SPECIFICATION
* Appearance Assay (C <sub>2</sub> H <sub>5</sub> OH)(by density) Density (20°C) Residue after evaporation Acidity (as CH <sub>3</sub> COOH) Alkalinity (as NH <sub>3</sub> ) Heavy metals (as Pb) Aldehydes and ketones (as CH <sub>3</sub> COCH <sub>3</sub> ) 1-Butanol [CH <sub>3</sub> (CH <sub>2</sub> ) <sub>2</sub> CH <sub>2</sub> OH](GC) 1-Propanol (CH <sub>3</sub> CH <sub>2</sub> CH <sub>2</sub> OH) (GC) 2-Propanol [(CH <sub>3</sub> ) <sub>2</sub> CHOH] (GC) Methanol (CH <sub>3</sub> OH) (GC) 3-Methyl-1-butanol [(CH <sub>3</sub> ) <sub>2</sub> CHCH <sub>2</sub> CH <sub>2</sub> OH] (GC) Substances darkened by sulfuric acid	Colorless clear liquid 94.8~95.8vol% 0.808~0.812g/ml max.0.001%(mass/mass) max.0.002%(mass/mass) max.1ppm(mass/mass) max.1ppm(mass/mass) max.0.001%(mass/mass) max.0.005%(mass/mass) max.0.005%(mass/mass) max.0.01%(mass/mass) max.0.02%(mass/mass) max.0.004%(mass/mass) to pass test

JIS K 8102-2012

(\*:Additional test performed by Wako but not required by JIS)