

32213 Methanol Puriss. p.a., ACS Reagent, Reag. ISO, Reag. Ph. Eur., ≥99.8% (GC)

Specyfikacja:

Property	Value
APPEARANCE (COLOR)	Colorless
BOILING POINT	64 - 65 DEG C
SOLUBILITY (TURBIDITY)	MIXABLE WITH H2O
WATER (COULOMETR.)	0 - 0.05 %
RESIDUE (EVAPORATION)	0 - 0.0005 %
REDUCING SUBSTANCES	<= 0.00025 % (AS O)
ALDEHYDES	<= 0.001 % (AS CH3CHO)
KETONES	<= 0.001 % (AS CH3COCH3)
FORMALDEHYDE	<= 0.001 %
ACETALDEHYDE	<= 0.001 %
ALUMINIUM (ICP)	0 - 0.5 ppm
APPEARANCE (FORM)	Liquid
BARIUM (ICP)	0 - 0.1 ppm
BISMUTH (ICP)	0 - 0.1 ppm
BORON (ICP)	0 - 0.02 ppm
CALCIUM (ICP)	0 - 0.5 ppm
CADMIUM (ICP)	0 - 0.05 ppm
COBALT (ICP)	0 - 0.02 ppm
CHROMIUM (ICP)	0 - 0.02 ppm
COPPER (ICP)	0 - 0.01 ppm
IRON (ICP)	0 - 0.1 ppm
POTASSIUM (ICP)	0 - 0.5 ppm
COLOR (IN APHA)	0 - 10 APHA
LITHIUM (ICP)	0 - 0.1 ppm
MAGNESIUM (ICP)	0 - 0.1 ppm
MANGANESE (ICP)	0 - 0.01 ppm
MOLYBDENUM (ICP)	0 - 0.1 ppm
SODIUM (ICP)	0 - 0.5 ppm
NICKEL (ICP)	0 - 0.02 ppm
LEAD (ICP)	0 - 0.02 ppm
TIN (ICP)	0 - 0.1 ppm
STRONTIUM (ICP)	0 - 0.1 ppm
ZINC (ICP)	0 - 0.1 ppm
TITRATABLE ACID	FREE ACID (as HCOOH): <= 0.002 %
CHLORIDE (CL)	0 - 0.5 mg/kg
SULFATE (SO4)	0 - 1 mg/kg
SUBSTANCES DARK BY H2SO4	PASSES TEST
CARBONYL COMPOUNDS	<= 0.005 %
EXPIRATION DATE PERIOD	60 MONTHS
TITRATABLE BASE	FREE ALKALI (AS NH3): <= 0.00005 %
PURITY (GC AREA %)	99.8 - 100 % rel
REMARKS ON GC	<= 0.001 % ACETONE <= 0.1 % ETHANOL
DENSITY	0.791 - 0.793
REFRACTIVE INDEX N20/D	1.328 - 1.33

Właściwości fizyczne:

Property	Value
Cation traces	Fe: ≤0.1 mg/kg
Impurities	≤0.00005% free alkali (as NH ₃)
Vapor pressure	410 mmHg (50 °C)
Grade	ACS reagent, reag. ISO, reag. Ph. Eur.
Assay	≥99.8% (GC)
Vapor density	1.11 (vs air)
Autoignition temp.	725 °F
Anion traces	sulfate (SO ₄ ²⁻): ≤1 mg/kg
Mp	-98 °C(lit.)
Refractive index	n ₂₀ /D 1.329(lit.)
Density	0.79 g/cm ³
Bp	64.7 °C(lit.)
Expl. lim.	36 %
Boiling point	64 - 65 °C
Freezing point	-98 °C

Informacje dot. bezpieczeństwa:

Property	Value
Flashpoint	11 °C
Hazard Class	3
Package Group	II
UN ID	1230