penta CHEMICALS UNLIMITED®

Specification

Methyl alcohol

Chemical formula: CH_3OH
Molar mass: 32,04 g/mol
CAS: 67-56-1
EINECS: 200-659-6

A.G. (21210)

Appearance	clear colourless liquid
Assay	min. 99,8 %
Residue after evaporation	max. 0,001 %
Acidity (as HCOOH)	max. 0,002 %
Water	max. 0,08 %
Boiling point	64 - 65 °C
Density (20 °C)	0,791 g/cm3
Refractive index	1,329
Flash point	11 °C

pure (21190)

Appearance	clear colourless liquid
Assay	min. 99,5 %
Residue after evaporation	max. 0,005 %
Water	max. 0,15 %
Boiling point	63 - 65 °C
Density (20 °C)	0,791 g/cm3
Refractive index	1,329
Flash point	11 °C

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Specification

for UV (21240)

Appearance	clear colourless liquid
Assay	min. 99,9 %
Residue after evaporation	max. 0,001 %
Water	max. 0,1 %
Density (20 °C)	0,791 g/cm3
Refractive index	1,329
Acetaldehyde	max. 0,001 %
Acetone	max. 0,001 %
Formaldehyde	max. 0,001 %
Color scale (APHA)	max. 10
Free acids	max. 0,0003 meq/g
Free alkali	max. 0,0002 meq/g
Substances reducing $KMnO_4$	passes test
Infrared spectrometry	passes test
UV absorption at 205 nm	max. 1,00
UV absorption at 210 nm	max. 0,80
UV absorption at 220 nm	max. 0,40
UV absorption at 230 nm	max. 0,20
UV absorption at 240 nm	max. 0,10
UV absorption at 260 nm	max. 0,04
UV absorption at 280 to 400 nm	max. 0,01

for HPLC (21230)

Appearance	Clear colourless liquid
Assay	min. 99,5%
Residue after evaporation	max. 0,0002%
UV absorption at 210 nm	max. 0,398
UV absorption at 220 nm	max. 0,222
UV absorption at 225 nm	max. 0,170
UV absorption at 230 nm	max. 0,108
UV absorption at 235 nm	max. 0,071
UV absorption at 250 nm	max. 0,022
UV absorption at 260 nm	max. 0,009
Water	max. 0,03%
Free acids	max. 0,002%
Color scale (Hazen)	max. 10

Classification of the substance in accordance with Regulation (EC) No 1272/2008

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Specification

Hazard statements: 225, 331, 311, 301, 370
EUH statements:
Precautionary statements: 210, 233, 260, 280, 301+310, 308+311
Signal word: Danger

ADR/RID: 3 /FT1 /II
UN 1230