penta CHEMICALS UNLIMITED®

Specification

Isopropyl alcohol

Chemical formula: $(CH_3)_2CHOH$
Molar mass: 60,1 g/mol
CAS: 67-63-0
EINECS: 200-661-7

A.G. (17510)

Appearance	clear colourless liquid
Assay	min. 99,8 %
Residue after evaporation	max. 0,002 %
Free acids (as CH_3COOH)	max. 0,001 %
Boiling point	81 - 83 °C
Density (20 °C)	0,785 g/cm3
Refractive index	1,378
Flash point	12 °C

pure (17500)

Appearance	clear colourless liquid
Assay	min. 99,5 %
Residue after evaporation	max. 0,01 %
Free acids (as CH_3COOH)	max. 0,001 %
Boiling point	80 - 83 °C
Density (20 °C)	0,785 g/cm3
Refractive index	1,377
Flash point	12 °C

penta CHEMICALS UNLIMITED®

Specification

for UV (17550)

Appearance	clear colourless liquid
Assay	min. 99,5 %
Residue after evaporation	max. 0,001 %
Water	max. 0,2 %
Free acids	max. 0,0001 meq/g
Free alkali	max. 0,0001 meq/g
Carbonyl compounds	max. 0,002 %
Color scale (APHA)	max. 10
Density (20 °C)	0,785 g/cm3
Refractive index	1,377
Infrared spectrometry	passes test
UV absorption at 210 nm	max. 1,00
UV absorption at 220 nm	max. 0,40
UV absorption at 230 nm	max. 0,20
UV absorption at 245 nm	max. 0,08
UV absorption at 260 nm	max. 0,04
UV absorption at 300 nm	max. 0,02
UV absorption at 400 nm	max. 0,01

ACS (17480)

Appearance	clear colourless liquid
Assay	min. 99,5 %
Solubility in water	passes test
Carbonyl compounds	max. 0,002 %
Color scale (APHA)	max. 10
Residue after evaporation	max. 0,001 %
Water	max. 0,2 %
Free acids	max. 0,0001 meq/g
Free alkali	max. 0,0001 meq/g
Density (20 °C)	0,785 g/cm3
Refractive index	1,377
Infrared spectrometry	passes test

technical (37530)

Appearance	clear colourless liquid
Assay	min. 98,5 %

penta CHEMICALS UNLIMITED®

Specification

99,8%+ (47490)

Appearance	clear colourless liquid
Assay	min. 99,8 %
Residue after evaporation	max. 0,002 %
Free acids (as CH_3COOH)	max. 0,001 %
Boiling point	81 - 83 °C
Density (20 °C)	0,785 g/cm3
Refractive index	1,378

for HPLC (17540)

Appearance	Clear colourless liquid
Assay	min. 99,8%
Residue after evaporation	max. 0,0005%
UV absorption at 210 nm	max. 0,523
UV absorption at 230 nm	max. 0,097
UV absorption at 270 nm	max. 0,004
Free acids (as CH_3COOH)	max. 0,002%
Water	max. 0,05%
Color scale (Hazen)	max. 10

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

Hazard statements: 225, 319, 336
EUH statements: 019
Precautionary statements: 233, 210, 305+351+338
Signal word: Danger

ADR/RID: 3 /F1 /II
UN 1219