

Pharmaceutical salts

100242 Citric acid monohydrate cryst. extra pure Ph Eur,BP,USP,E 330

Formula Hill $C_6H_8O_7 \cdot H_2O$

Chemical formula

Molar mass 210.14 g/mol

Density 1.54 g/cm³ (20 °C)

pH value 1.85 (50 g/l 25 °C)

Form solid

Color white

Odeur odourless

Melting point 135 - 152 °C

Boiling point (decomposition)

Vapor pressure < 0.1 hPa (20 °C) (anhydrous substance)

Explosion limits 8.0

Flash point

Thermal decomposition > 170 °C

Heat of evaporation

Evaporation number

Ignition temperature 345 °C ((anhydrous substance))

Bulk density ~ 800 - 1000 kg/m³

Refractive index

Solubility in water ~ 1630 g/l (20 °C)

Solubility in ethanol 419 g/l (25 °C)

Solubility in chloroform insoluble

Water absorbtion

Saturation conc. (air)

Dielectric constant

Dipole moment

Viscosity dynamical

Viscosity kinematical

