



Changsha RuiYang Material Co., Ltd.
长沙金睿洋新材料有限公司

Technical Data Sheet

Hydrogen Peroxide (50%)

Product: Hydrogen Peroxide (50%)

Molecular Formula: H₂O₂ (aq)

Molecular Weight: 34.01 g/mol

Cas No.: 7722-84-1

Density: 1.20 g/cm³ (at 50%)

UN No. UN 2014, **Class** 5.1 (8), **PG** II

HS Code: 28470000

CHEMICAL ANALYSIS

Item	Indicators		Analysis Result
	Excellence in goods	First grade	
H ₂ O ₂ content	≥50.0%	≥35.0%	50.5%
Free acid (as H ₂ SO ₄)	≤0.05%	≤0.10%	0.03%
Residue on evaporation	≤0.05%	≤0.10%	0.03%
Stability (1 h, 100 °C)	≥95%	≥90%	97%
Iron (Fe)	≤2 ppm	≤5 ppm	1 ppm
Heavy metals (as Pb)	≤10 ppm	≤20 ppm	6 ppm

Chemical Properties

Chemical Properties: Colorless slightly viscous liquid. Density: 1.20 g/cm³ (at 50%).

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