

Acetone NF Grade

Description

Acetone (also known as dimethyl ketone and 2-propanone) is a clear, colorless, low-boiling, flammable, volatile liquid characterized by rapid evaporation and a faintly aromatic, sweetish odor. It is readily miscible in most organic solvents and completely miscible, in all proportions, in water. Acetone is one of the simplest aliphatic ketones, and is an excellent solvent for a wide range of gums, resins, waxes, fats, greases, oils, dyestuffs and cellulose. It is widely used as a chemical intermediate in the production of methyl isobutyl ketone and other solvents, and in the production of such important chemicals as bis-phenol-A and methyl methacrylate. It is also used in the manufacture of a wide variety of coatings and plastics.

Physical and Chemical Properties

Typical Properties	Specifications	Test Method
Appearance	Clear water white liquid	Visual
Color, APHA	5 Max.	D-1209
Specific Gravity, 25°C/25°C (77°F/77°F)	0.7860 - 0.7890	D-4052
Specific Gravity, 20°C/20°C (68°F/68°F)	0.7910 - 0.7930	D-4052
Purity, Weight % (Wt. %)	99.5 Min.	GC*
Water, Wt. %	0.3 Max.	D-1364
Acidity as Acetic Acid, Wt. %	0.002 Max.	D-1613
Alkalinity, Wt. %	0.001 Max.	D-1614
Benzene, ppm	2	GC*
Nonvolatile Matter, ppm	10 Max.	D-1353
Water Solubility	Miscible, distilled water	D-1722
Reducing Substances (Permanganate Time Test)	Color retains 120 min	D-1363
Identification	Passes	GC/IR*

*GC = Gas Chromatography; IR = Infrared Spectroscopy

The values presented in this data sheet are typical values and are not to be interpreted as product specifications.

Contact AdvanSix

To learn more about acetone NF, visit AdvanSix.com/chemicalintermediates or call:

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