



Dimethylformamide (DMF)

CAS Number	Formula
68-12-2	C ₃ H ₇ NO or HCON(CH ₃) ₂

Dimethylformamide appears as a water-white liquid with a faint fishy odor having chemical formula HCON(CH₃)₂. It is widely used in industries as a solvent, an additive, or an intermediate because of its extensive miscibility with water and most common organic solvents.

SPECIFICATION

Appearance	Clear Liquid
Color (APHA)	3.0 APHA
pH at 25°C in 20% solution	7.0
Conductivity in 20% water @ 250C	0.80
Dimethyl Formamide Content	99.98 wt %
Water Content	0.005 wt %
Methanol Content	< 0.001 wt %
Acidity as Formic Acid (mg/kg)	4.0
Base as DMA (mg/kg)	1.0
Iron ppm	0.010

MAJOR USE: In production of acrylic fibers and plastics, used as a solvent in peptide coupling for pharmaceuticals, in the development and production of pesticides, and in the manufacture of adhesives, synthetic leathers, fibers, films, and surface coatings

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