

# Galaxy Colour Chem

Industrial Chemical Trading

Rajkot, Gujarat | Est. 2001 | Commissioner & PESO Licensed

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PRODUCT DATASHEET

## Dimethyl Formamide

C<sub>3</sub>H<sub>7</sub>NO | CAS 68-12-2

### Specification Table

Test Description	Min	Max	Unit	Test Method
Dimethyl Formamide	99.8	—	%(w/w)	Gas Chromatography
Water	—	0.05	%(w/w)	ASTM E203
Acidity (as Formic Acid)	—	0.003	%(w/w)	ASTM D1613
Colour (APHA)	—	10	—	ASTM D1209
Dimethylamine	—	20	mg/kg	GC
Specific Gravity @ 20°C	0.944	0.946	—	ASTM D4052
Refractive Index @ 20°C	1.428	1.430	—	ASTM D1218
Boiling Point	152	154	°C	ASTM D1078
Flash Point	57	—	°C	ASTM D93
Appearance	Clear colourless liquid	—	—	Visual

Note: Physical properties are not monitored constantly. Values represent standard specification limits.

### Applications

<b>Synthetic Fibres</b> Primary solvent in wet-spinning of acrylic fibres (polyacrylonitrile) and spandex.	<b>Pharmaceuticals</b> High-polarity solvent for drug synthesis, peptide chemistry, and crystallisation.
<b>Polyurethane Films</b> Processing solvent in polyurethane membrane casting and synthetic leather production.	<b>Electronics</b> Solvent in polyimide film production for flexible printed circuit board manufacturing.
<b>Agrochemicals</b> Reaction solvent and carrier in synthesis of pesticides and herbicide intermediates.	<b>Specialty Chemicals</b> Polar aprotic solvent for nucleophilic substitution reactions in chemical synthesis.
<b>Adhesives &amp; Coatings</b> Solvent in specialty adhesives, primers, and high-performance coating systems.	<b>Gas Purification</b> Solvent for selective absorption of acetylene and acid gases in industrial processes.