



# N,N-Dimethylformamide

Synonyms:

DMF

(CH<sub>3</sub>)<sub>2</sub>NOCH

Classification

Danger

Molecular weight

73.1 ONU

2265



CAS

68-12-2 Transport hazard class:

3



EEC-N:

200-679-5 Packing

III

**N,N-Dimethylformamide** > RPE - For analysis - ACS - Reag. Ph.Eur. - Reag. USP

**Analytical Grade**

|                            |                 |      |
|----------------------------|-----------------|------|
| Description                | Clear liquid    | -    |
| Colour                     | <= 15           | APHA |
| Identification (I.R.)      | Conform         | -    |
| Water miscibility          | Conform         | -    |
| Chloroform miscibility     | Complete        | -    |
| Density d <sub>20</sub> /4 | 0.949 - 0.952   | -    |
| Refractive index at 25°C   | 1.4224 - 1.4314 | -    |



|                        |               |      |
|------------------------|---------------|------|
| Boiling point          | 152.0 - 154.0 | ?C   |
| Water (K.F.)           | <= 0.03       | %    |
| Residue on evaporation | <= 20         | ppm  |
| Acidity (formic acid)  | <= 20         | ppm  |
| Alcalinity (NH3)       | <= 20         | ppm  |
| Chloride               | <= 10         | ppm  |
| Heavy metals (as Pb)   | <= 1          | ppm  |
| Sulfate                | <=10          | ppm  |
| Cd                     | <= 0.05       | ppm  |
| Cr                     | <= 0.02       | ppm  |
| Cu                     | <= 0.02       | ppm  |
| Fe                     | <= 0.05       | ppm  |
| Ni                     | <= 0.02       | ppm  |
| Pb                     | <= 0.1        | ppm  |
| Assay (GC)             | >= 99.9       | %    |
| Methanol               | <= 100        | ppm  |
| Description            | Clear liquid  | -    |
| Colour                 | <= 15         | APHA |
| Identification (I.R.)  | Conform       | -    |
| Water miscibility      | Conform       | -    |



|                          |                 |     |
|--------------------------|-----------------|-----|
| Chloroform miscibility   | Complete        | -   |
| Density d20/4            | 0.949 - 0.952   | -   |
| Refractive index at 25°C | 1.4224 - 1.4314 | -   |
| Boiling point            | 152.0 - 154.0   | ?C  |
| Water (K.F.)             | <= 0.03         | %   |
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| Acidity (formic acid)    | <= 20           | ppm |
| Alcalinity (NH3)         | <= 20           | ppm |
| Chloride                 | <= 10           | ppm |
| Heavy metals (as Pb)     | <= 1            | ppm |
| Sulfate                  | <=10            | ppm |
| Cd                       | <= 0.05         | ppm |
| Cr                       | <= 0.02         | ppm |
| Cu                       | <= 0.02         | ppm |
| Fe                       | <= 0.05         | ppm |
| Ni                       | <= 0.02         | ppm |
| Pb                       | <= 0.1          | ppm |
| Assay (GC)               | >= 99.9         | %   |
| Methanol                 | <= 100          | ppm |



**N,N-Dimethylformamide**

> RPE - For analysis - ACS - Reag. Ph.Eur. - Reag.  
USP

Analytical Grade

| ID                 | Size   | Packaging        |
|--------------------|--------|------------------|
| 000000000000444926 | 1 l    | Glass bottle     |
| 000000000000444923 | 2.5 l  | Glass bottle     |
| 000000000000444927 | 10 l   | Plastic jerrycan |
| 000000000000444925 | 190 kg | Metal drum       |



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