

## Certificate of Analysis.

### N,N-Dimethylformamide, DMF for GC-MS, ChromSolv<sup>®</sup>.

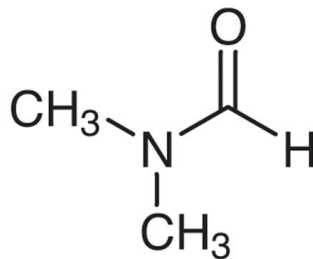
Product Code:	<b>BS14014.</b>
Description:	<b>N,N-Dimethylformamide, DMF for GC-MS, ChromSolv<sup>®</sup>.</b>
Chemical Name:	<b>Formyldimethylamine.</b>
Pack:	<b>1 lit.</b>
CAS No.:	<b>68-12-2.</b>
Mol. Formula:	<b>C<sub>3</sub>H<sub>7</sub>NO.</b>
Mol. Weight:	<b>73.10 g/mol.</b>
MDL Number:	<b>MFCD00003284.</b>
Melting Point:	<b>-61 °C.</b>
Boiling Point:	<b>153 °C.</b>
Density:	<b>0.944 g/cm<sup>3</sup>.</b>
Solubility:	<b>Soluble in water.</b>
Storage:	<b>Store at Ambient temperature.</b>
LOT NO.:	<b>Sample.</b>
Manufacture Date:	<b>Lot specific.</b>
Expiry Date:	<b>5 years.</b>

Characteristics	Specification	Measured Values
Appearance:	Colorless clear liquid.	<b>Lot specific.</b>
Water content:	<0.05%.	<b>Lot specific.</b>
Refractive index:	1.429 – 1.430.	<b>Lot specific.</b>
Silver (Ag):	Max. 0.5 ppb.	<b>Lot specific.</b>
Aluminium (Al):	Max. 1 ppb.	<b>Lot specific.</b>
Gold (Au):	Max. 0.5 ppb.	<b>Lot specific.</b>
Barium (Ba):	Max. 0.5 ppb.	<b>Lot specific.</b>
Beryllium (Be):	Max. 0.5 ppb.	<b>Lot specific.</b>
Bismuth (Bi):	Max. 0.5 ppb.	<b>Lot specific.</b>
Calcium (Ca):	Max. 20 ppb.	<b>Lot specific.</b>
Cadmium (Cd):	Max. 0.5 ppb.	<b>Lot specific.</b>
Cerium (Ce):	Max. 0.5 ppb.	<b>Lot specific.</b>
Cobalt (Co):	Max. 0.5 ppb.	<b>Lot specific.</b>
Chromium (Cr):	Max. 1 ppb.	<b>Lot specific.</b>
Cesium (Cs):	Max. 0.5 ppb.	<b>Lot specific.</b>
Copper (Cu):	Max. 1 ppb.	<b>Lot specific.</b>
Iron (Fe):	Max. 5 ppb.	<b>Lot specific.</b>
Gallium (Ga):	Max. 0.5 ppb.	<b>Lot specific.</b>



Germanium (Ge):	Max. 0.5 ppb.	<b>Lot specific.</b>
Indium (In):	Max. 0.5 ppb.	<b>Lot specific.</b>
Iridium (Ir):	Max. 0.5 ppb.	<b>Lot specific.</b>
Potassium (K):	Max. 10 ppb.	<b>Lot specific.</b>
Lithium (Li):	Max. 0.5 ppb.	<b>Lot specific.</b>
Magnesium (Mg):	Max. 5 ppb.	<b>Lot specific.</b>
Manganese (Mn):	Max. 0.5 ppb.	<b>Lot specific.</b>
Molybdenum (Mo):	Max. 0.5 ppb.	<b>Lot specific.</b>
Sodium (Na):	Max. 200 ppb.	<b>Lot specific.</b>
Nickel (Ni):	Max. 1 ppb.	<b>Lot specific.</b>
Lead (Pb):	Max. 0.5 ppb.	<b>Lot specific.</b>
Palladium (Pd):	Max. 0.5 ppb.	<b>Lot specific.</b>
Platinum (Pt):	Max. 0.5 ppb.	<b>Lot specific.</b>
Rubidium (Rb):	Max. 0.5 ppb.	<b>Lot specific.</b>
Rhodium (Rh):	Max. 0.5 ppb.	<b>Lot specific.</b>
Ruthenium (Ru):	Max. 0.5 ppb.	<b>Lot specific.</b>
Antimony (Sb):	Max. 0.5 ppb.	<b>Lot specific.</b>
Tin (Sn):	Max. 0.5 ppb.	<b>Lot specific.</b>
Strontium (Sr):	Max. 0.5 ppb.	<b>Lot specific.</b>
Titanium (Ti):	Max. 1 ppb.	<b>Lot specific.</b>
Thallium (Tl):	Max. 0.5 ppb.	<b>Lot specific.</b>
Uran (U):	Max. 0.5 ppb.	<b>Lot specific.</b>
Vanadium (V):	Max. 0.5 ppb.	<b>Lot specific.</b>
Zinc (Zn):	Max. 1 ppb.	<b>Lot specific.</b>
Zirconium (Zr):	Max. 0.5 ppb.	<b>Lot specific.</b>
Purity by GC:	>99.9%.	<b>Lot specific.</b>

Please Note: - This material is only for laboratory purpose and not for human consumption. This is a computer-generated COA, no stamp or signature is required.



**Dr. K. Deepti.**  
**Technical Head.**

