



Material	23466.323
Material description	Dimethylformamide
Grade	AnalaR NORMAPUR Reag. Ph.Eur., ACS
Lot	23L134014
Expires end of	2028-Nov-15
CAS Number	68-12-2
Molecular formula	HCON(CH ₃) ₂
Molecular mass	73.09

Characteristics	Specifications	Measured values
Assay (on anhydrous substance)	≥ 99.8 %	100.0 %
IR Spectrum	Passes test	Passes test
Acidity	≤ 0.00025 meq/g	≤ 0.00025 meq/g
Alkalinity	≤ 0.003 meq/g	≤ 0.003 meq/g
Boiling point	152 - 155 °C	152 °C
Colouration	≤ 10 APHA	≤ 10 APHA
Density (20/4)	0.946 - 0.950	0.948
Density (20/20)	0.949 - 0.952	0.950
Refractive index (20°C)	1.429 - 1.431	1.431
Evaporation residue	≤ 10 ppm	4 ppm
Water	≤ 0.05 %	0.01 %
Al (Aluminium)	≤ 0.5 ppm	≤ 0.5 ppm
Ba (Barium)	≤ 0.1 ppm	≤ 0.1 ppm
Ca (Calcium)	≤ 0.5 ppm	≤ 0.5 ppm
Cd (Cadmium)	≤ 0.05 ppm	≤ 0.05 ppm
Co (Cobalt)	≤ 0.02 ppm	≤ 0.02 ppm
Cr (Chromium)	≤ 0.02 ppm	≤ 0.02 ppm
Cu (Copper)	≤ 0.02 ppm	≤ 0.02 ppm
Fe (Iron)	≤ 0.1 ppm	≤ 0.1 ppm
K (Potassium)	≤ 0.2 ppm	≤ 0.2 ppm
Mg (Magnesium)	≤ 0.1 ppm	≤ 0.1 ppm
Mn (Manganese)	≤ 0.02 ppm	≤ 0.02 ppm
Na (Sodium)	≤ 0.5 ppm	≤ 0.5 ppm
Ni (Nickel)	≤ 0.02 ppm	≤ 0.02 ppm
Pb (Lead)	≤ 0.1 ppm	≤ 0.1 ppm
Sn (Tin)	≤ 0.01 ppm	≤ 0.01 ppm
Sr (Strontium)	≤ 0.05 ppm	≤ 0.05 ppm
Zn (Zinc)	≤ 0.1 ppm	≤ 0.1 ppm



Characteristics	Specifications	Measured values
Conforms to ACS	Passes test	Passes test
Conforms to Reag. Ph.Eur.	Passes test	Passes test

Signature

We certify that this batch conforms to the specifications listed above.

This document has been produced electronically and is valid without a signature.

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