



Material	23500.297
Material description	Dimethyl sulphoxide
Grade	Analytical reagent with less than 0,03% water
Lot	24A124001
Expires end of	2028-Jan-18
CAS Number	67-68-5
Molecular formula	(CH <sub>3</sub> ) <sub>2</sub> SO
Molecular mass	78.14

Characteristics	Specifications	Measured values
Assay	≥ 99.5 %	100.0 %
IR Spectrum	Passes test	Passes test
Substances coloured by H <sub>2</sub> SO <sub>4</sub>	Passes test	Passes test
Acidity	≤ 0.0002 meq/g	≤ 0.0002 meq/g
Alkalinity	≤ 0.0002 meq/g	≤ 0.0002 meq/g
Colouration	≤ 10 APHA	≤ 10 APHA
Melting point	≥ 18 °C	≥ 18 °C
Evaporation residue	≤ 10 ppm	7 ppm
Heavy metals (as Pb)	≤ 1 ppm	≤ 1 ppm
Water	≤ 0.03 %	0.01 %
Al (Aluminium)	≤ 0.2 ppm	≤ 0.2 ppm
Ba (Barium)	≤ 0.02 ppm	≤ 0.02 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)	≤ 0.1 ppm	≤ 0.1 ppm
Mg (Magnesium)	≤ 0.05 ppm	≤ 0.05 ppm
Mn (Manganese)	≤ 0.02 ppm	≤ 0.02 ppm
Na (Sodium)	≤ 5 ppm	≤ 5 ppm
Pb (Lead)	≤ 0.05 ppm	≤ 0.05 ppm
Sn (Tin)	≤ 0.1 ppm	≤ 0.1 ppm
Sr (Strontium)	≤ 0.02 ppm	≤ 0.02 ppm
Zn (Zinc)	≤ 0.1 ppm	≤ 0.1 ppm



## Signature

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

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