

Sodium (Na)	≤20 ppb
Nickel (Ni)	≤20 ppb
Niobium (Nb)	≤20 ppb
Silver (Ag)	≤20 ppb
Strontium (Sr)	≤20 ppb
Tantal (Ta)	≤20 ppb
Titanium (Ti)	≤20 ppb
Vanadium (V)	≤20 ppb
Zinc (Zn)	≤20 ppb
Tin (Sn)	≤20 ppb
Zirconium (Zr)	≤20 ppb

Filtered through a 0.2 µm membrane and filled under protective gas.

Note: Product may crystallise. It can be liquefied by heating in a water bath to max. 40 °C.

Art. No.	Pack Qty.	Pack.
20PY.1	2.5 l	plastic

Dimethyl sulphoxide (DMSO) ROTIPURAN® ≥99,8 %, p.a.

Guarantee analysis

Assay (GC)	≥99,8 %
Colour (Hazen)	≤10
Water	≤0,05 %
Chloride (Cl)	≤0,0001 %
Aluminium (Al)	≤0,000001 %
Lead (Pb)	≤0,000001 %
Calcium (Ca)	≤0,000001 %
Iron (Fe)	≤0,000001 %
Potassium (K)	≤0,000001 %
Copper (Cu)	≤0,000001 %
Sodium (Na)	≤0,000001 %
Magnesium (Mg)	≤0,000001 %
Manganese (Mn)	≤0,000001 %
Zinc (Zn)	≤0,000001 %

Note: Product may crystallise. It can be liquefied by heating in a water bath to max. 40 °C.

Art. No.	Pack Qty.	Pack.
4720.4	100 ml	glass
4720.2	500 ml	glass
4720.1	1 l	glass
4720.3	2.5 l	glass
4720.5	5 l	plastic
4720.6	10 l	plastic
4720.7	25 l	plastic

Dimethyl sulphoxide (DMSO) ≥99,9 %, Ph. Eur., USP

Not a medical device / Not an IVD product

Guarantee analysis

Assay	≥99,9 %
Identity	complies
Acidity	complies
Refractive index (20 °C)	1,478-1,480
Refractive index (20 °C)	1,4755-1,4775
Density (d 20 °C/20 °C)	1,100-1,104
Density (d 25 °C/25 °C)	1,095-1,101
Solidification point	≥18,3 °C
Related substances (total)	≤0,1 %
Water (KF)	≤0,1 %
Evaporation residue	≤0,01 %
Absorbance:	
275 nm	≤0,2
285 nm	≤0,2
295 nm	≤0,2
270-350 nm	complies
Absorption ratio:	
285/275 nm	≤0,65
295/275 nm	≤0,45

Note: Product may crystallise. It can be liquefied by heating in a water bath to max. 40 °C.

Art. No.	Pack Qty.	Pack.
250N.1	100 ml	glass
250N.2	500 ml	glass
250N.3	1 l	glass
250N.4	2.5 l	glass
250N.5	5 l	plastic
250N.6	10 l	plastic
250N.7	25 l	plastic

Dimethyl sulphoxide (DMSO)

≥99,5 %, BioScience Grade, nuclease free

Recommended for PCR, sequencing, hybridisation and microbiological cell culture.

Guarantee analysis

Assay (GC)	≥99,5 %
DNase, RNase	not detectable
Colour (APHA)	≤10
Water content	≤0,1 %
Chloride (Cl)	≤0,000005 %
Arsenic (As)	≤0,000001 %
Cadmium (Cd)	≤0,000001 %
Potassium (K)	≤0,000001 %
Lithium (Li)	≤0,000001 %
Magnesium (Mg)	≤0,000001 %
Sodium (Na)	≤0,000005 %

Note: Product may crystallise. It can be liquefied by heating in a water bath to max. 40 °C.

Art. No.	Pack Qty.	Pack.
A994.1	100 ml	glass
A994.2	250 ml	glass

For further information see www.carlroth.com

Dimethyl sulphoxide (DMSO) ≥99,5 %, for synthesis

Type analysis

Assay (GC)	≥99,5 %
Water	≤0,1 %

Note: Product may crystallise. It can be liquefied by heating in a water bath to max. 40 °C.

Art. No.	Pack Qty.	Pack.
7029.1	1 l	glass
7029.2	2.5 l	glass
7029.4	5 l	plastic
7029.3	10 l	plastic
7029.5	25 l	plastic

Dimethyl sulphoxide (DMSO) SOLVAGREEN® ≥99,0 %, for synthesis, recycled material

Type analysis

Assay (GC)	≥99,0 %
Water (KF)	≤0,5 %
Melting point	≥18,1 °C

Note: Product may crystallise. It can be liquefied by heating in a water bath to max. 40 °C.

Art. No.	Pack Qty.	Pack.
1P1T.1	1 l	glass
1P1T.2	2.5 l	glass
1P1T.3	5 l	plastic

Dimethyl sulphoxide (DMSO) ROTICHRON® GC

Reference substance for GC

Type analysis

Assay	≥99,9 %
Identity (IR)	complies

Art. No.	Pack Qty.	Pack.
1YH0.1	5 ml	glass

Dimethyl sulphoxide D6

DMSO deuterated · Methyl sulphoxide deuterized

C₂D₆OS · D 1,19 g/cm³ · mp 18 °C · bp 189 °C · flp 88 °C

M 84,18 g/mol

CAS No. 2206-27-1 · EC no. 218-617-0

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Dimethyl sulphoxide D6 100 Atom%D

Packaging for 1K3K.1: 10 x 0,75 ml in ampoules

Guarantee analysis

Deuterising degree	≥99,95 %
Water (KF, H ₂ O+D ₂ O)	≤0,02 %

Art. No.	Pack Qty.	Pack.
1K3K.1	7.5 ml	glass ampoule

Dimethyl sulphoxide D6 99,9 Atom%D

For nuclear magnetic resonance spectroscopy.

Packaging for 7915.3: 10 x 0,75 ml in ampoules

Type analysis

Deuterising degree	≥99,9 %
Water (KF, H ₂ O+D ₂ O)	≤0,025 %

Art. No.	Pack Qty.	Pack.
7915.3	7.5 ml	glass ampoule
7915.1	10 ml	glass
7915.2	10 ml	septum bottle

Dimethyl sulphoxide D6 99,8 Atom%D

For nuclear magnetic resonance spectroscopy.

Packaging for AE56.3: 10 x 0,75 ml in ampoules

Guarantee analysis

Deuterising degree	≥99,8 %
Water (KF, H ₂ O+D ₂ O)	≤0,03 %

Art. No.	Pack Qty.	Pack.
AE56.3	7.5 ml	glass ampoule
AE56.1	10 ml	glass
AE56.4	10 ml	septum bottle
AE56.6	25 ml	glass
AE56.2	50 ml	glass
AE56.5	100 ml	glass

Dimethyl sulphoxide D6 with TMS (0.03 vol.%)

DMSO deuterated

C₂D₆OS · D 1,19 g/cm³ · mp 18 °C · bp 189 °C · flp 88 °C

M 84,18 g/mol

CAS No. 2206-27-1 · EC no. 218-617-0

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