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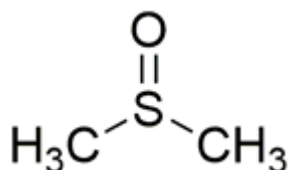
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Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191



Product Specifications

Catalogue Number 37438

Product **Dimethyl sulfoxide**

Methyl sulfoxide

DMSO

CAS Number 67-68-5

Molecular Formula C₂H₆SO

Molecular Weight 78.13

Warnings *Irritant! Hygroscopic!*

Appearance Clear, colorless liquid

Solubility Soluble in chloroform, red solution (USP)

Freezing Point ≥ 18.3 °C (EP)

Specific Gravity 1.095 - 1.101 at 25 °C (USP)

Refractive Index 1.475 - 1.477 at 25 °C (USP)

1.478 - 1.480 at 20 °C (EP)

Water Content (Karl ≤ 0.1% (USP)

Fisher) ≤ 0.2% (EP)

Acidity ≤ 5 mL 0.01 N NaOH (USP, EP)

Infrared Spectrum Conforms to structure (USP, EP)

UV Ratios UV absorbance : No absorbance maxima between 270 and 350 nm (USP, EP)

UV absorbance at 275 nm : ≤ 0.20 (USP) and ≤ 0.30 (EP)

A 285 / 275 nm : ≤ 0.65 (USP)

A 295 / 275 nm : ≤ 0.45 (USP)

A 285 nm : ≤ 0.20 (EP)

A 295 nm : ≤ 0.20 (EP)

Non-Volatile Matter ≤ 0.01% (USP)

Related Substances ≤ 0.1% (USP)

≤ 0.1% (EP)

Assay (anhydrous basis) ≥ 99.9%

Purity by GC ≥ 99.9%

Grade meets EP, USP specifications

Storage Store at RT

Product Specifications

Catalog Number: 37438

Additional Information Identification D, Nickel Chloride : Greenish yellow changing to bluish green at 50 °C. Color changes back to greenish yellow on cooling (EP)
Relative Density : 1.100 - 1.104 at 20 °C (EP)

For Laboratory Use Only