

Technical Specification

PRODUCT : DIMETHYLSULFOXIDE RS - SPECTROSOL - For optical spectroscopy - Reag.Ph.Eur.

CODE : 445110

MOLECULAR WEIGHT :78.13

CAS N° : 67-68-5

FORMULA : CH₃SOCH₃

TEST	U.M.	SPECIFICATION
Description	-	Clear colourless liquid
Identification	-	Positive
Density d ₂₀ /4	-	1.100 - 1.104
Refractive index at 20°C	-	1.478 - 1.480
Freezing point	°C	>= 18.3
Water (K.F.)	ppm	<= 500
Residue on evaporation	ppm	<= 10
Acidity	meq/g	<= 0.0005
Alcalinity	meq/g	<= 0.0002
Fluorescence	-	-
at 254 nm	ppb	<= 2
at 365 nm	ppb	<= 2
UV Transmittance	-	-
at 265 nm	%	>= 10
at 275 nm	%	>= 60
at 290 nm	%	>= 71
at 315 nm	%	>= 90
at 340 nm	%	>= 98
UV Absorbance	-	-
at 262 nm	AU	<= 1.00
at 270 nm	AU	<= 0.46
at 290 nm	AU	<= 0.16
from 340 nm	AU	<= 0.01
Assay (GC)	%	>= 99.8
Dimethylsulphone	%	<= 0.1

It is under the customer responsibility to make sure the purchased product is suitable for his use and/or application.
 CARLO ERBA Reagents would not be guilty of any misuse or mishandling of any of its products, occurring potential damages or user hurts in case of in