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## SU0150 Dimethyl sulfoxide, EssentQ®

assay (G.C.) ..... min. 99,5 %  
identity (IR-spectrum) ..... passes test  
density (20°/20°) ..... 1,100 - 1,104  
residue on evaporation ..... max. 0,01 %  
water (K.F.) ..... max. 0,1 %

ART. NO.	VOLUME	CONTAINER
SU01501000	1 l	0
SU01502500	2,5 l	0
SU0150005P	5 l	0

ART. NO.	VOLUME	CONTAINER
SU0150025P	25 l	0
SU0150025A	25 l	0

## SU0151 Dimethyl sulfoxide, extra pure, Pharpur®, Ph Eur, USP

assay ..... min. 99,9 %  
identification ..... passes test  
density (20°/20°) ..... 1,100 - 1,104  
density (25°/25°) ..... 1,095 - 1,101  
refractive index n<sub>20</sub>/D ..... 1,478 - 1,480  
refractive index n<sub>25</sub>/D ..... 1,4755 - 1,4775  
acidity ..... passes test  
freezing point ..... min. 18,3 °C  
related substances ..... max. 0,1 %  
residue on evaporation ..... max. 0,01 %  
water (K.F.) ..... max. 0,1 %

max. absorbance in a 1,0 cm cell at wavelength A (AU)  
275 nm ..... 0,20  
285 nm ..... 0,20  
295 nm ..... 0,20  
absorbance ratio 285/275 nm ..... max. 0,65  
absorbance ratio 295/275 nm ..... max. 0,45  
absorbance 270 - 350nm ..... passes test  
Residual solvents are analysed according to guideline CPMP/ICH/283/95.  
Elemental impurities are analysed according to guideline CHMP/ICH/353369/2013.

ART. NO.	VOLUME	CONTAINER
SU01511000	1 l	0
SU01512500	2,5 l	0
SU0151005P	5 l	0
SU0151025A	25 l	0
SU0151200L	200 l	0

## SU0153 Dimethyl sulfoxide, ExpertQ®, for analysis, ACS

assay (G.C.) ..... min. 99,9 %  
identity (IR-spectrum) ..... passes test  
density (20°/4°) ..... 1,099 - 1,101  
appearance ..... clear  
colour (Hazen) ..... max. 10  
acidity ..... max. 0,0002 meq/g

heavy metals (as Pb) ..... max. 1 ppm  
iron (Fe) ..... max. 1 ppm  
substances darkened by H<sub>2</sub>SO<sub>4</sub> ..... passes test  
residue on evaporation ..... max. 0,001 %  
water (K.F.) ..... max. 0,1 %

ART. NO.	VOLUME	CONTAINER
SU01531000	1 l	0
SU01532500	2,5 l	0
SU0153005P	5 l	0

## SU0155 Dimethyl sulfoxide, HPLC grade

assay (G.C.) ..... min. 99,8 %  
identity (IR-spectrum) ..... passes test  
density (20°/4°) ..... 1,099 - 1,101  
acidity ..... max. 0,0005 meq/g  
alkalinity ..... max. 0,0002 meq/g  
residue on evaporation ..... max. 0,0003 %  
water (K.F.) ..... max. 0,1 %

min. transmission/max. absorbance in a 1,0 cm cell at wavelength T(%) A (AU)  
268 nm ..... 20 % 0,699 AU  
280 nm ..... 50 % 0,301 AU  
320 nm ..... 90 % 0,046 AU  
Microfiltered through membranes of pore diameter 0,22 µm

ART. NO.	VOLUME	CONTAINER
SU01551000	1 l	0
SU01552500	2,5 l	0

## SU0165 Dimethyl sulfoxide, GC head space grade

assay (G.C.) ..... min. 99,9 %  
refractive index n<sub>20</sub>/D ..... 1,477 - 1,480  
water (K.F.) ..... max. 0,04 %  
Packed under inert gas Suitable for residual solvents analysis Residual solvents are analysed according to guideline CPMP/ICH/283/95. Class 1 solvents excluded by production process. Class 2 and class 3 solvents likely to be present below following limits  
dichloromethane ..... 0,6 mg/l  
tert-Butyl methyl ether ..... 1 mg/l  
acetone ..... 1 mg/l  
methanol ..... 1 mg/l  
tetrahydrofuran ..... 0,7 mg/l  
n-Hexane ..... 0,3 mg/l  
ethyl acetate ..... 1 mg/l  
ethanol ..... 1 mg/l  
cyclohexane ..... 1 mg/l

acetonitrile ..... 0,4 mg/l  
2-propanol ..... 1 mg/l  
isopropyl acetate ..... 1 mg/l  
n-Propanol ..... 1 mg/l  
n-Heptane ..... 1 mg/l  
methylcyclohexane ..... 1 mg/l  
1,4-Dioxane ..... 0,4 mg/l  
toluene ..... 0,9 mg/l  
pyridine ..... 1 mg/l  
n-Butanol ..... 1 mg/l  
butyl acetate ..... 1 mg/l  
ethylbenzene ..... 1 mg/l  
p-Xylene ..... 1 mg/l  
m-Xylene ..... 1 mg/l  
o-Xylene ..... 1 mg/l  
benzene (G.C.) ..... absence

ART. NO.	VOLUME	CONTAINER
SU01651000	1 l	0
SU01652500	2,5 l	0

## SU0167 Dimethyl sulfoxide, standard substance for GC

assay ..... 99,9 %  
over ramp ..... 80°C, 7°C/min 220°C  
identity ..... IR

ART. NO.	VOLUME	CONTAINER
SU01670005	5 ml	0

## SU0158 Dimethyl sulfoxide, 99,5%, anhydrous (max. 0,005% H<sub>2</sub>O), with molecular sieves

assay (G.C.) ..... min. 99,5 %  
identity (IR-spectrum) ..... passes test  
density (20°/20°) ..... 1,100 - 1,104

acidity ..... passes test  
dimethyl sulfone (G.C.) ..... passes test  
water (K.F.) ..... max. 0,005 %

ART. NO.	VOLUME	CONTAINER
SU01581000	1 l	0