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CERTIFICATE OF ANALYSIS**O09005_22042516/1**

Product N,N-Dimethylformamide, GC head space grade

Batch 22042516

O09005

Quality release date 21/09/2021

Expiry date 09/2024

Analysis	Batch value	Specifications
Assay (G.C.)	99,98 %	≥ 99,9
Refractive index n ₂₀ /D	1,4380	1,430 - 1,440
Water (K.F.)	0,0270 %	≤ 0,03
Class 1 according to ICH less than 0,5 ppm.		
Benzene	absence of peak	absence of peak
Class 2 and class 3 solvents:		
Dichloromethane	≤ 0,6 mg/L	≤ 0,6
tert-Butyl methyl ether	≤ 1 mg/L	≤ 1
Acetone	≤ 1 mg/L	≤ 1
Methanol	≤ 1 mg/L	≤ 1
Tetrahydrofuran	≤ 0,7 mg/L	≤ 0,7
n-Hexane	≤ 0,3 mg/L	≤ 0,3
Ethyl acetate	≤ 1 mg/L	≤ 1
Ethanol	≤ 1 mg/L	≤ 1
Cyclohexane	≤ 1 mg/L	≤ 1
Acetonitrile	≤ 0,4 mg/L	≤ 0,4
2-Propanol	≤ 1 mg/L	≤ 1
Isopropyl acetate	≤ 1 mg/L	≤ 1
n-Propanol	≤ 1 mg/L	≤ 1
n-Heptane	≤ 1 mg/L	≤ 1
Methylcyclohexane	≤ 1 mg/L	≤ 1
1,4-Dioxane	≤ 0,4 mg/L	≤ 0,4
Toluene	≤ 0,9 mg/L	≤ 0,9
Pyridine	≤ 1 mg/L	≤ 1
n-Butanol	≤ 1 mg/L	≤ 1
Butyl acetate	≤ 1 mg/L	≤ 1
Ethylbenzene	≤ 1 mg/L	≤ 1
p-Xylene	≤ 1 mg/L	≤ 1
m-Xylene	≤ 1 mg/L	≤ 1
o-Xylene	≤ 1 mg/L	≤ 1
Other class 2 and 3 solvents	≤ 5 mg/L	≤ 5

Suitable for residual solvent analysis according to guideline CPMP/ICH/283/95, PhEur and USP.

For laboratory use only.