RCI Labscan Limited

Dimethylformamide, GC-HS Plus for Headspace GC Analysis

$HCON(CH_3)_2$	FW. 73.10	Density 1 L	= 0.949 Kg.
CAS-No.	68-12-2	Melting Point	- 61 °C
Code	HS1514	Boiling Point	153 °C

Specifications

Assay (by GC.)		99.90%	min.
Appearance		Clear, colorless liquid	
Color (APHA)		10	max.
Water (by Coulometry)		0.03%	max.
Acidity (mEq./g.)		0.0005	max.
Alkalinity (mEq./g.)		0.0002	max.
Residue on Evaporation		0.0003%	max.
Formic Acid and Acetic Acid		Not detected	
UV cutoff wavelength		190-269	nm
UV Transmission Levels (%T)			
	320 nm	95%	min.
	300 nm	85%	min.
	275 nm	55%	min.
	270 nm	20%	min.
Residual solvent (GC/HS) according to ICH			
	Class 1 Solvents	0.5	ppm max.
	Benzene	Absence of peak	
	Class 2 and Class 3 Solvents :		
	Acetone	1	ppm max.
	Acetonitrile	0.5	ppm max.
	n-Butanol	1	ppm max.
	Butyl Acetate	1	ppm max.
	tert-Butyl Methyl Ether	1	ppm max.
	Cyclohexane	1	ppm max.
	Dichloromethane	0.5	ppm max.
	1,4-Dioxane	0.5	ppm max.
	Ethanol	1	ppm max.
	Ethyl Acetate	1	ppm max.
	Ethylbenzene	1	ppm max.
	n-Heptane	1	ppm max.
	n-Hexane	0.5	ppm max.
	Isopropyl Acetate	1	ppm max.
	Methanol	1	ppm max.
	Methylcyclohexane	1	ppm max.
	2-Propanol	1	ppm max.
	n-Propanol	1	ppm max.
	Pyridine	1	ppm max.
	Tetrahydrofuran	0.5	ppm max.
	Toluene	1	ppm max.
	o-Xylene	1	ppm max.
	m-Xylene	1	ppm max.
	p-Xylene	1	ppm max.
	Other Class 2 Solvents	5	ppm max.
	Other Class 3 Solvents	25	ppm max.

Suitable as solvent for the analysis of residual solvent of ICH classes 1,2 and 3 according to Ph Eur and USP.

Product passed through 0.2 micron final filter.

TN_31-01-2024

S-QC03-HS-S-0218 / RV.00 / Eff.date 07-06-24