

SPECIFICATION

N,N-Dimethylformamide

for Medicine Test

REQUIREMENT	SPECIFICATION
* Description	Colorless clear liquid
Assay [HCON(CH ₃) ₂] (GC)	min.99.5%(mass/mass)
Appearance	max.10 Hazen units
Solubility in water	to pass test
Solubility in ethanol	to pass test
Density (20°C)	0.947~0.952g/ml
Refractive index 20°C	1.428~1.432
Water	max.0.1%(mass/mass)
Residue after evaporation	max.0.005%(mass/mass)
Acidity (as HCOOH)	max.0.003%(mass/mass)
Alkalinity (as NH ₃)	max.0.002%(mass/mass)
Iron (Fe)	max.5ppm(mass/mass)
Assay (USP-NF)	minimum.99.8%
Color (APHA) (USP-NF)	maximum.15
Residue after evaporation (USP-NF)	maximum.0.005%
Titration base (USP-NF)	maximum.0.003meq/g
Titration acid (USP-NF)	maximum.0.0005meq/g
Water (H ₂ O) (USP-NF)	maximum.0.15%
Water (Ph.Eur.)	maximum.0.1%

JIS K 8500:2007(*:Additional test performed by Wako but not required by JIS)(USP-NF)(Ph.Eur.)