LAB ALLEY
ESSENTIAL CHEMICALS

Certificate of Analysis

Product: Iodoform
Item Number: C4524/IODFU
Grade: USP/NF
Lot Number: 250908-M
Manufacture Date: 12/20/2024
Expiration Date: 12/20/2029
Country of Origin: United States

Tested Property	Specification	Analysis
Identification 1,2,3	To Pass Tests	Passes all
Description	Lemon-yellow to dark yellow crystalline powder with characteristic penetrating odor It is slightly volatile even at normal room temperature	Passes
Particle size	100% through 100 mesh	Complies
Melting Point	Melts to a brown liquid at about 115°C and decomposes at a higher temperature, emitting Iodine vapor	117.22°C
Assay	99.0 - 100.5%	99.8
Loss on Drying	≤0.5%	0.28
Residue after Ignition	≤0.1%	0.07
Chloride	≤0.011%	Complies
Iodide	To Pass Test	Passes
Sulfate	≤0.017%	Complies
Solubility	Insoluble in water, slightly soluble in 96% Ethanol Freely soluble in Ether and Acetone	Complies
Appearance in Solution	Solutions in ether / acetone are not more than slightly turbid & free from extraneous matter	Passes Tests
Residual Solvents (Acetone)	≤5000 ppm	<310
Coloring Matter, Acids & Alkalies	To Pass Tests	Passes Tests
Nitrosamine Impurities	≤500 ppm	Not detected

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