

	EAST COAST ORGANICS PRIVATE LIMITED 237/2, Vellivoyal Chavadi, Chennai – 600 103 Tamilnadu, India,	DOC No : ECO/QC/SPC/FG/005
		Issue Date : 01.10.2020
	FINISHED GOOD SPECIFICATION	Rev No : 01
		Rev Date : 03.10.2022
MONOSULFIRAM – IP		

Specification	INDIAN PHARMACOPEIA - IP
Molecular Formula	C ₁₀ H ₂₀ N ₂ S ₃
Molecular Weight	264.47 g/mol
CAS No	95-05-06

S.No	PARAMETER	SPECIFICATION
1	Description	A yellow or yellowish Brown liquid. Odour sulphurous .
2	Identification	a) Light Absorption in the Range 230 to 360 nm of 0.001 % w/v in Methanol exhibits a well defined Maximum only at 281nm. The absorption at 281nm is About 1.3
		b) Dissolve 0.1 gm in a mixture of 0.15 ml of a 1 % w/v Solution of copper II sulphate And 5 ml of ethanol (95 %), Evaporate on a water bath and Dissolve the residue in Chloroform. A deep yellowish Brown colour is produce.
		c) Boil 0.1 g with 2M hydrochloric acid. Fumes are Evolved which turn lead acetate paper black
3	Freezing Point	28.5°C to 32.0°C
4	Related substances	Any other spot apart from the principal spot, is not more intense than the spot in the chromatogram obtained with reference soluble
5	Water	Not more than 1.0 % w/w
6	Sulphated Ash	Not more than 0.1 % w/w
7	Assay (On anhydrous Basis)	98.0 % to 101.0 %

Quality Assurance Manager

J,Kalimuthu - QA /QC