

	EAST COAST ORGANICS PRIVATE LIMITED 237/2, Vellivoyal Chavadi, Chennai – 600 103 Tamilnadu, India,	DOC No : ECO/QC/SPC/FG/003
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	FINISHED GOOD SPECIFICATION	Rev No / Date : 01 / 09.10.2022
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DISULFIRAM - USP		

Specification	UNITED STATES OF PHARMACOPIEA - USP
Molecular Formula	C ₁₀ H ₂₀ N ₂ S ₄
Molecular Weight	296.539 g/mol
CAS No	97-77-8

S.No	PARAMETER	SPECIFICATION
1	Description	A White or off-white, odorless Crystalline Powder.
2	Solubility	Practically insoluble in water, freely soluble in Methylene chloride, sparingly soluble in alcohol
3	Identification-A by IR	Examine by infrared absorption Spectrophotometry. Comparing with the Spectrum Obtained with USP Disulfiram RS.
4	Identification-B by RT comparison in HPLC	The retention time of the major peak of the Sample solution corresponds to that of the Standard solution, as obtained in the Assay
5	Melting range	69.0°C – 72.0°C
6	Residue on Ignition	Not more than 0.10 %w/w
7	Selenium	Not more than 30 ppm
8	Loss on Drying at 50 °C @pressure of 1.5 to 5kPa	Not more than 0.50 %w/w
9	Assay By (HPLC)	98.00 % to 102.00 %
10	Residual Solvent Class - I, II & III	As per USP

Quality Assurance Manager

J.Kalimuthu - QA /QC